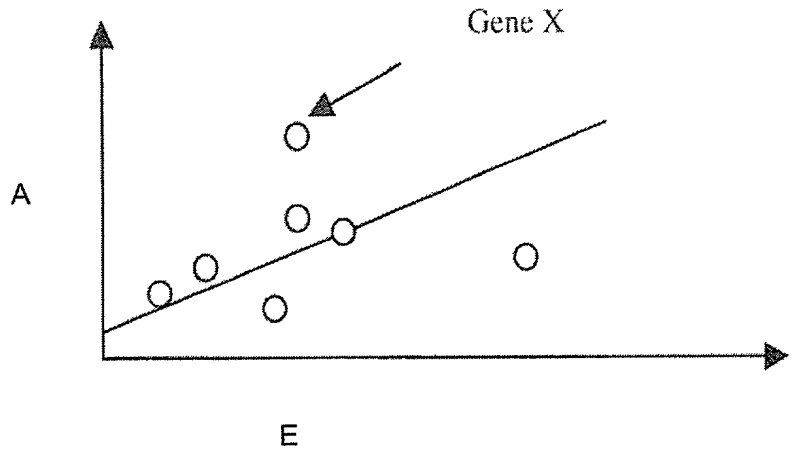


FIG. 1

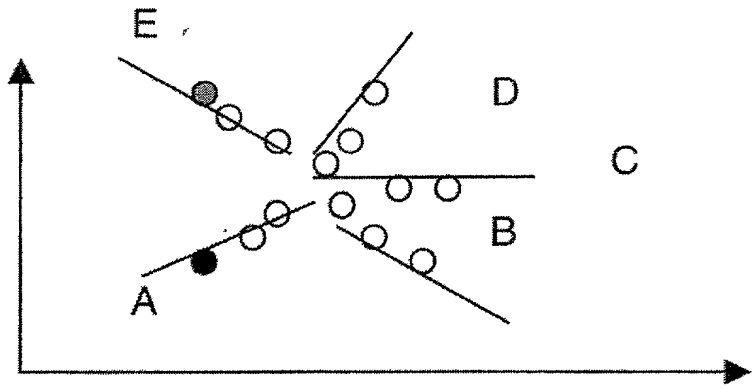
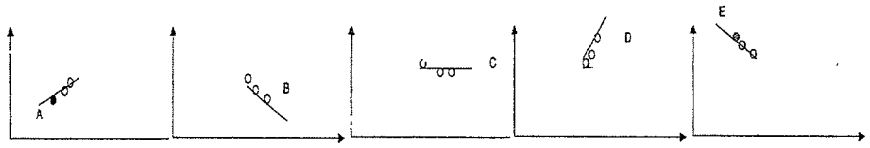


FIG. 2



Time points	A	B	C	D	E
Status:	Air	less	even less	little	No Air

FIG 3

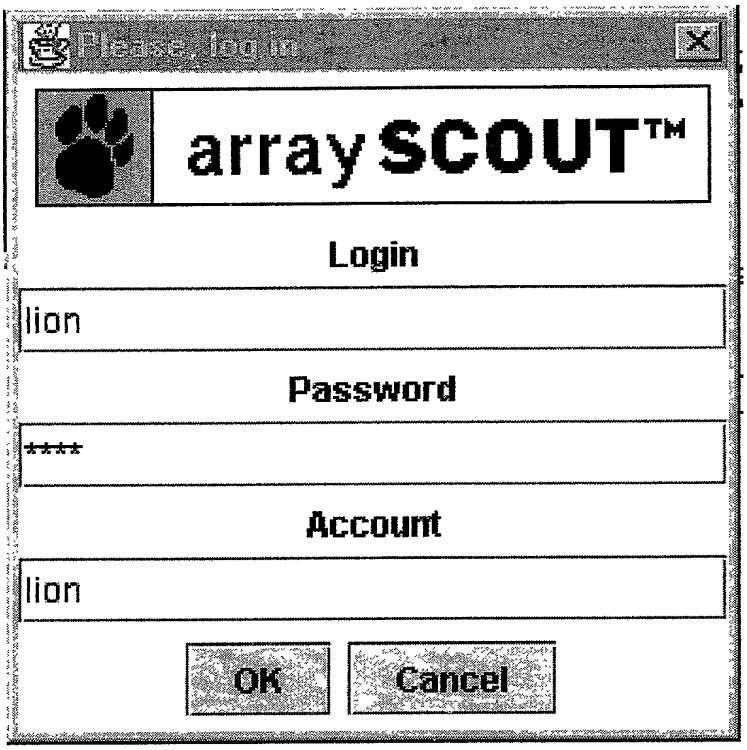

Please, log in
arraySCOUT™
Login
lion
Password
****
Account
lion
OK
Cancel

FIG. 4

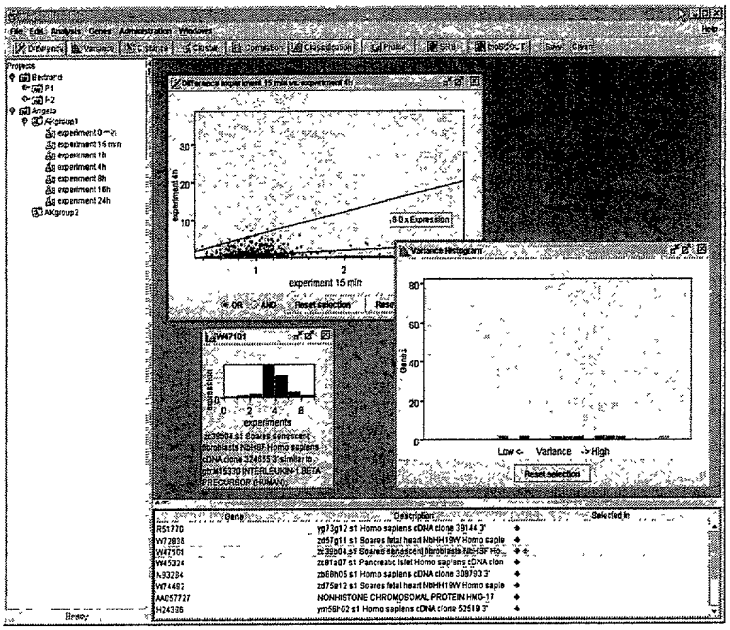


FIG. 5

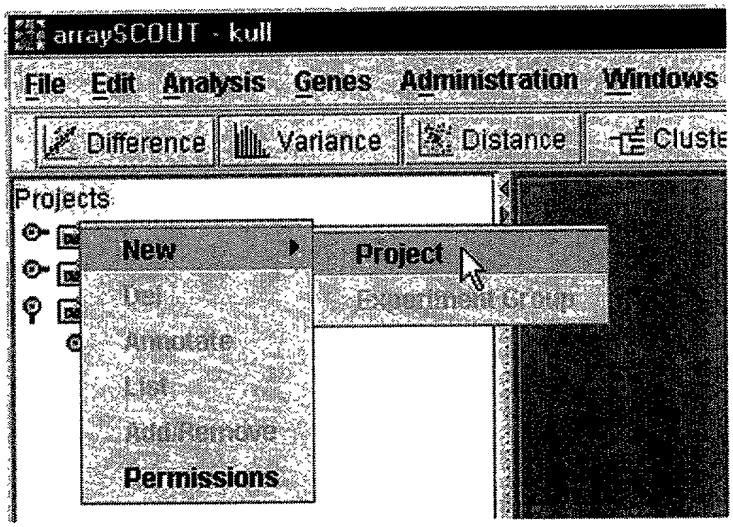


Fig. 6

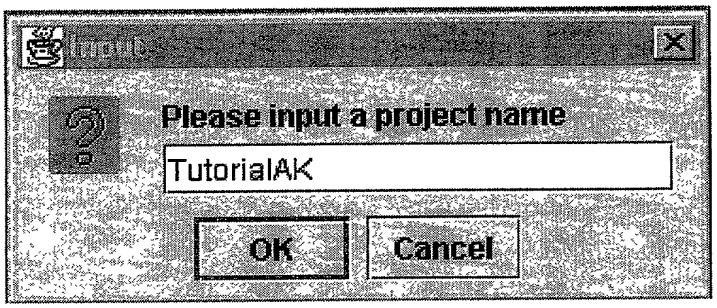


Fig. 7

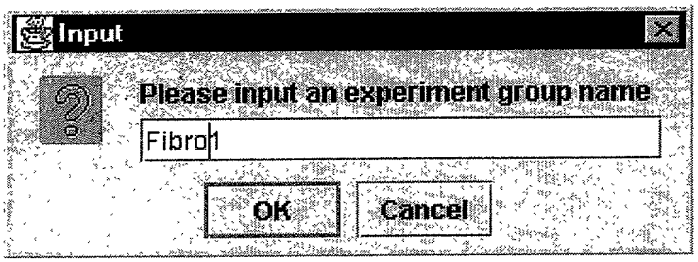
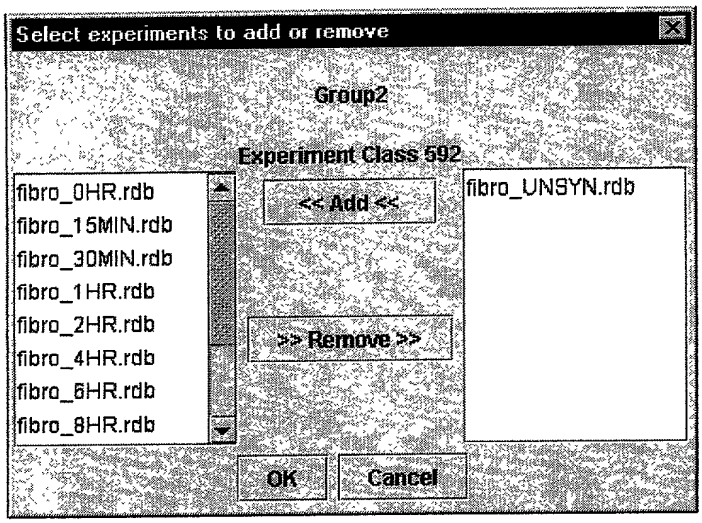


Fig. 8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Group2
Experiment Class 592
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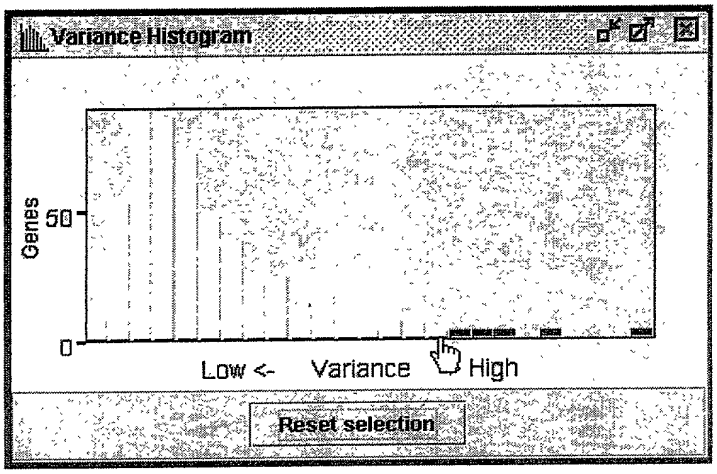
fibro_15MIN.rdb
fibro_30MIN.rdb
fibro_1HR.rdb
fibro_2HR.rdb
fibro_4HR.rdb
fibro_6HR.rdb
fibro_8HR.rdb
<< Add <<
>> Remove >>
fibro_UNSYN.rdb
OK
Cancel

Fig. 9


Variance Histogram
Genes
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Variance
High
Reset selection

Fig. 10

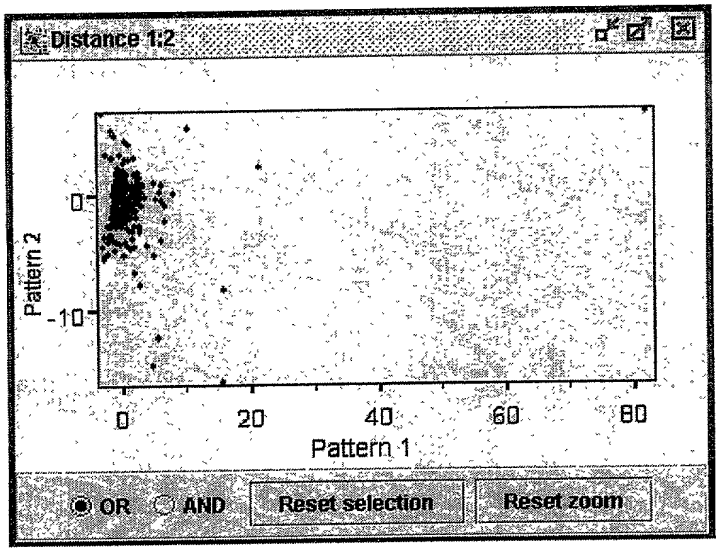


Fig. 11

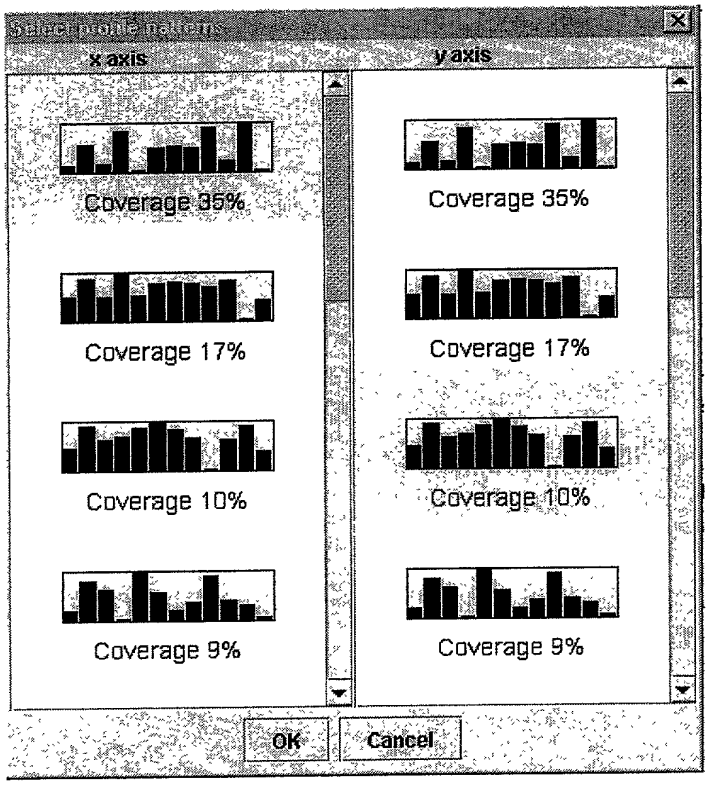


Fig. 12

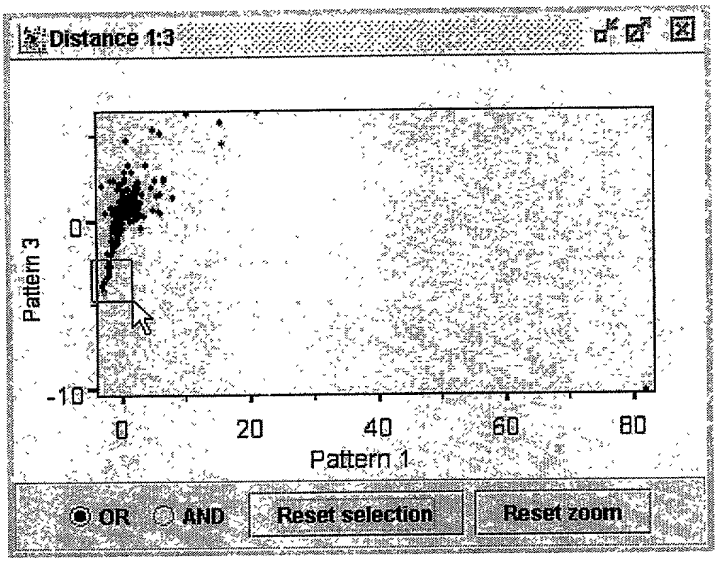


Fig. 13

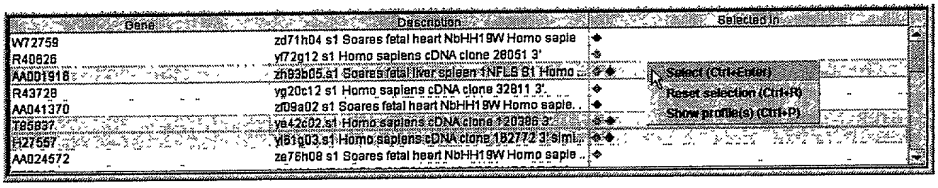


Fig. 14

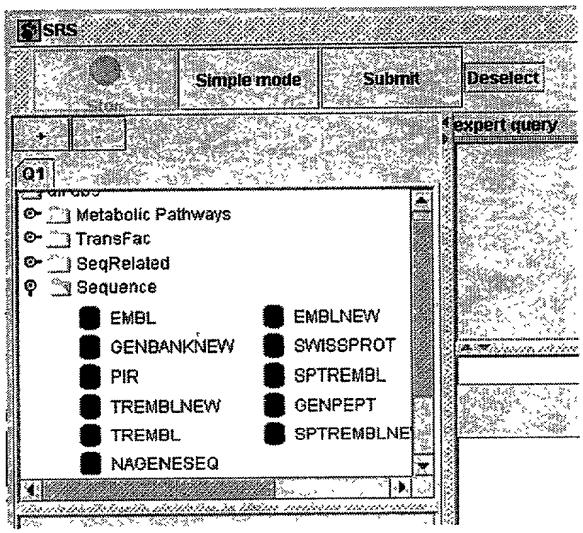
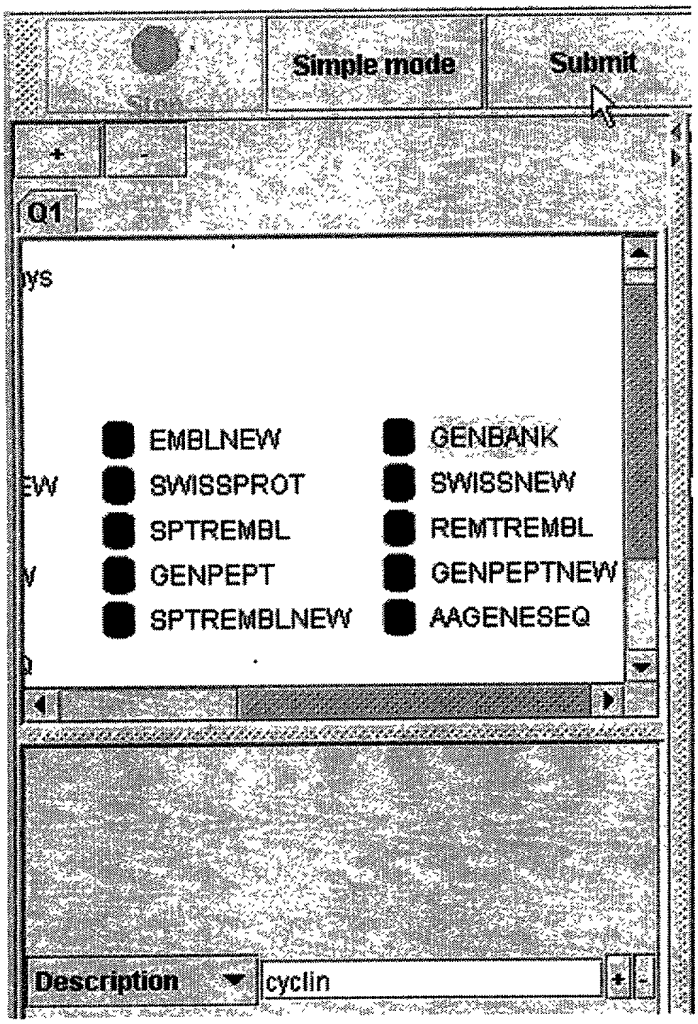


Fig. 15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Submit
Q1
EMBLNEW
GENBANK
SWISSPROT
SWISSNEW
SPTREMBL
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GENPEPT
GENPEPTNEW
SPTREMBLNEW
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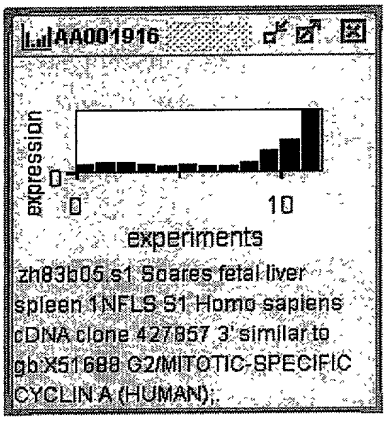
Fig. 16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expression
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experiments
zh83b05.s1 Soares fetal liver spleen 1NFLS S1 Homo sapiens cDNA clone 427857 3' similar to gb:X51688 G2/MITOTIC-SPECIFIC CYCLIN A (HUMAN);

Fig. 17

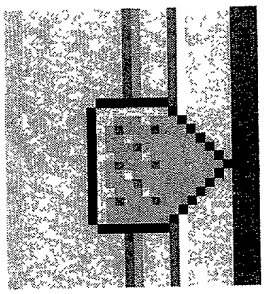


Fig. 18

Scale Tab

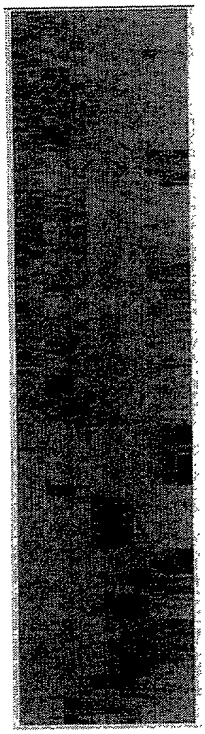


Fig. 19

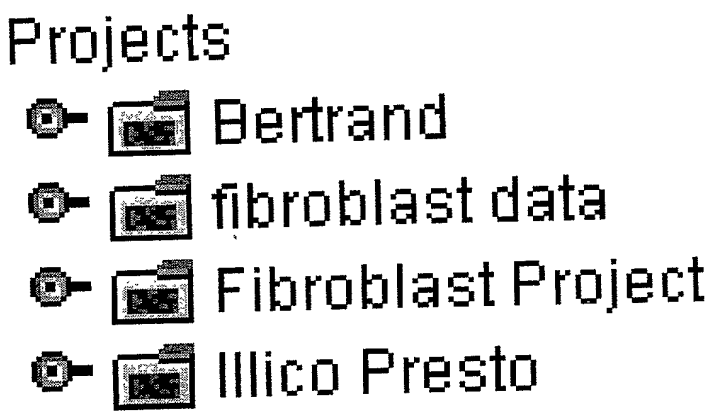


Fig. 20

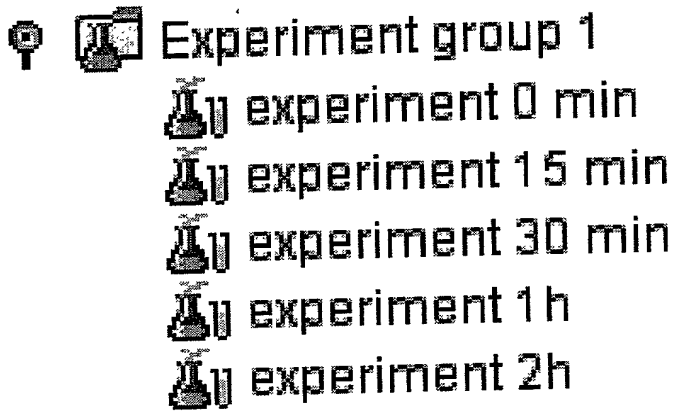


Fig. 21

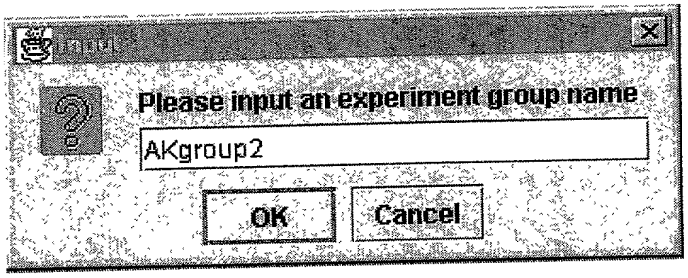


Fig. 22

Experiment group name dialog box.

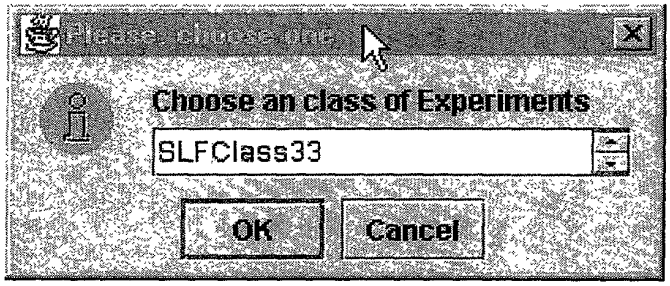


Fig. 23

Choose experiment class dialog box.

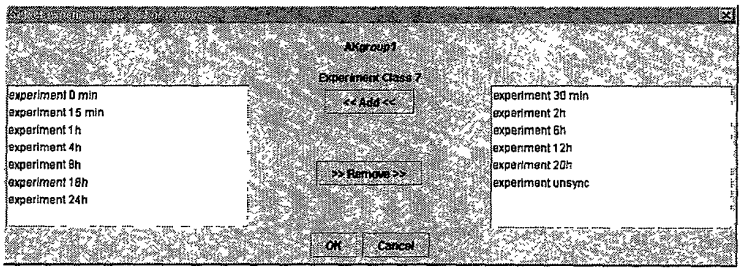


Fig. 24

Add/Remove dialog box for adding and removing experiments from experiment groups.

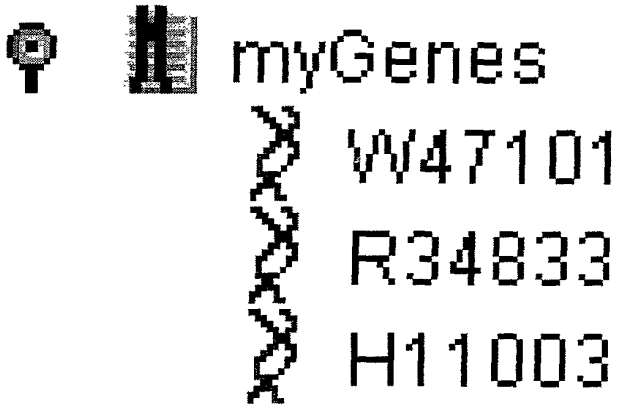


Fig. 25

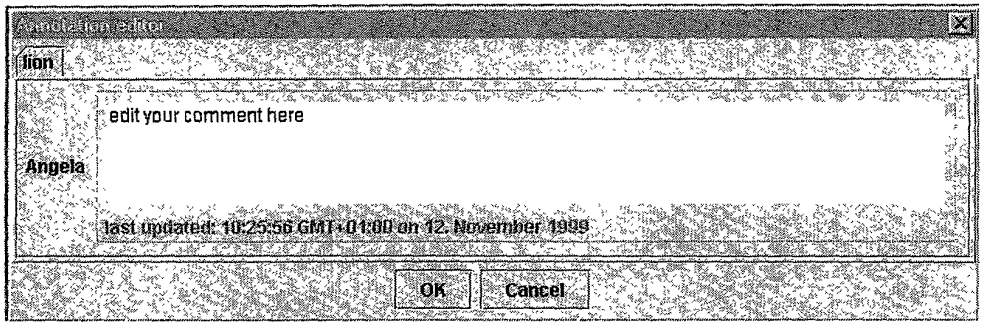


Fig. 26

The annotation editor.

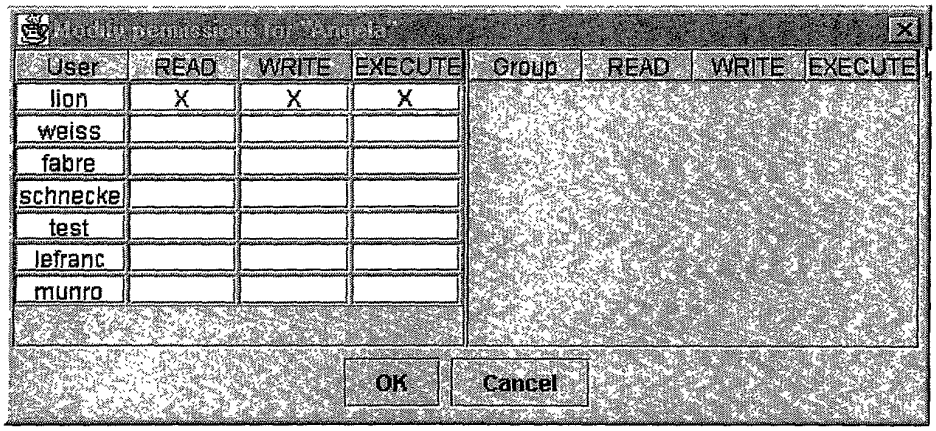


Fig. 27

The permissions dialog box for project "Angela".

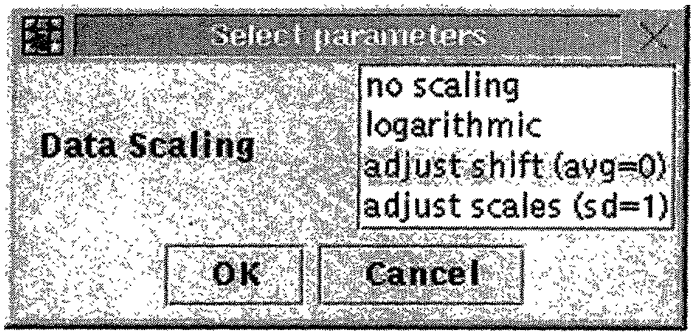


Fig. 28

Select parameters "Data Scaling" dialog box.

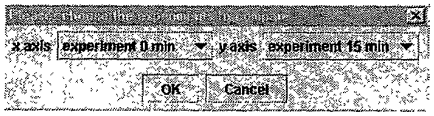


Fig. 29

The Choose experiments dialog box.

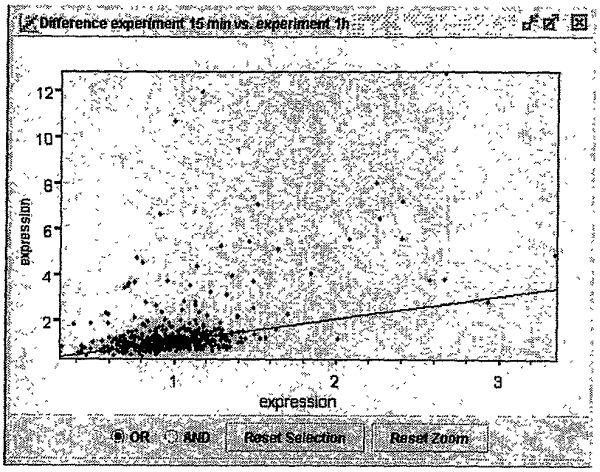


Figure 30

An example difference plot.

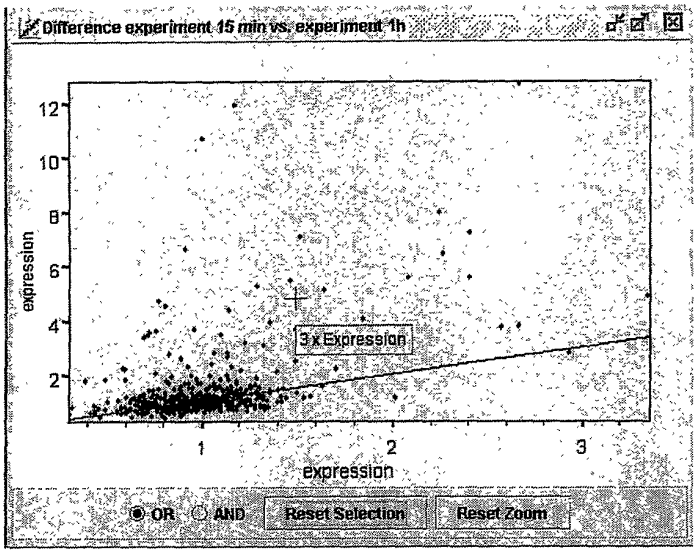

Difference experiment 15 min vs. experiment 1h
12
10
8
6
4
2
expression
3 x Expression
1
2
3
expression
OR
AND
Reset Selection
Reset Zoom

Fig. 31

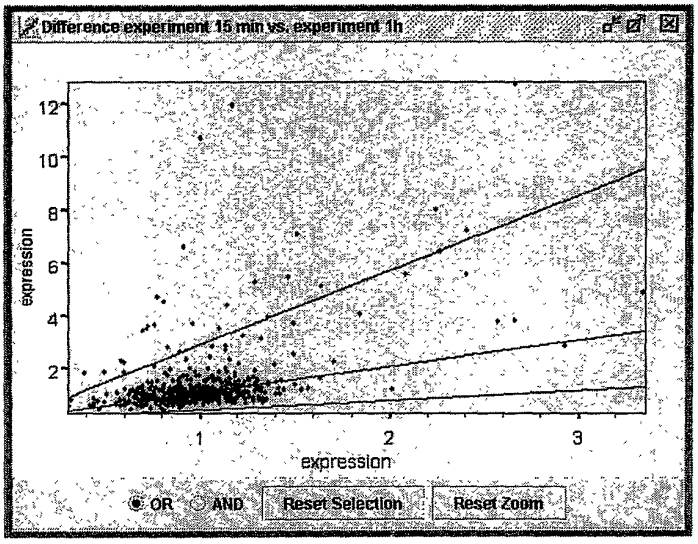

Difference experiment 15 min vs. experiment 1h
12
10
8
6
4
2
expression
1
2
3
expression
OR
AND
Reset Selection
Reset Zoom

Fig. 32

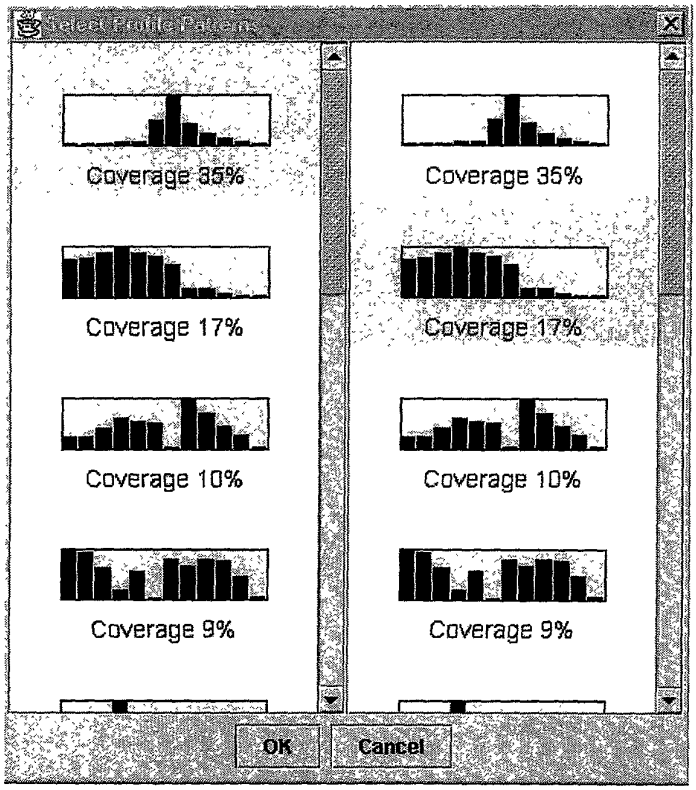


Fig. 33

Select Profile Patterns dialog box.

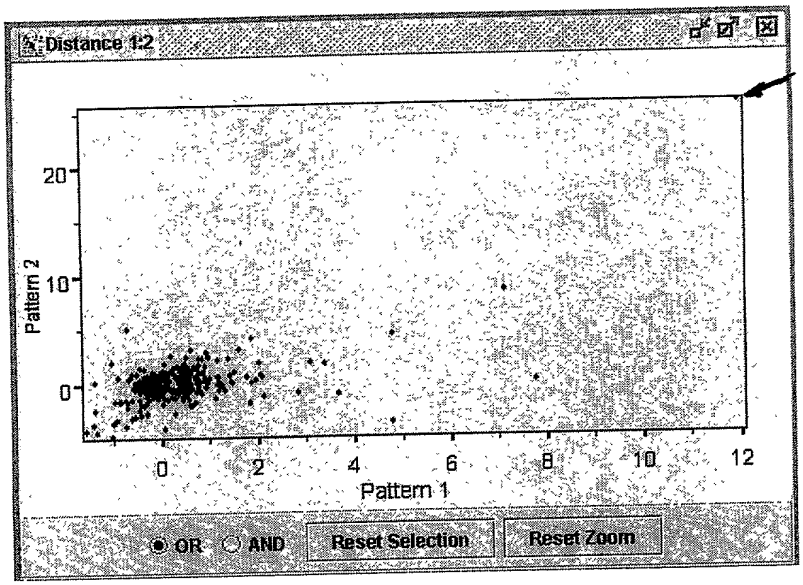


Figure 34

Gene profiled in Fig. 4.5

Distance Plot created with the adjust shift (avg=0) scaling procedure and the patterns displayed in Fig. 4.3.

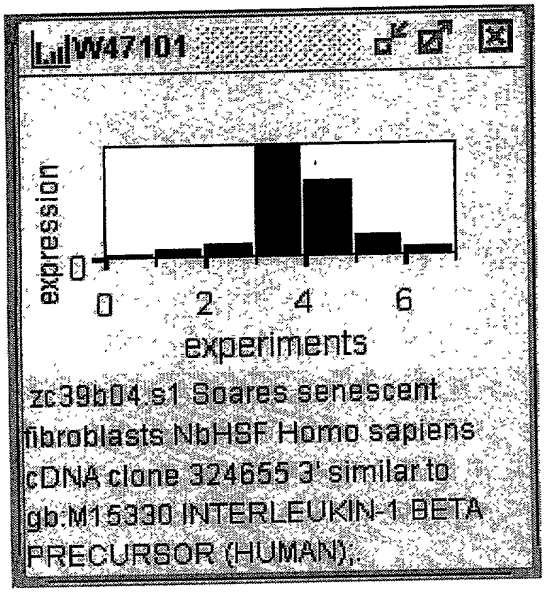


Figure 35

Gene Profile of gene W47101 plotted at (12,26) in the above Distance Plot (Figure).

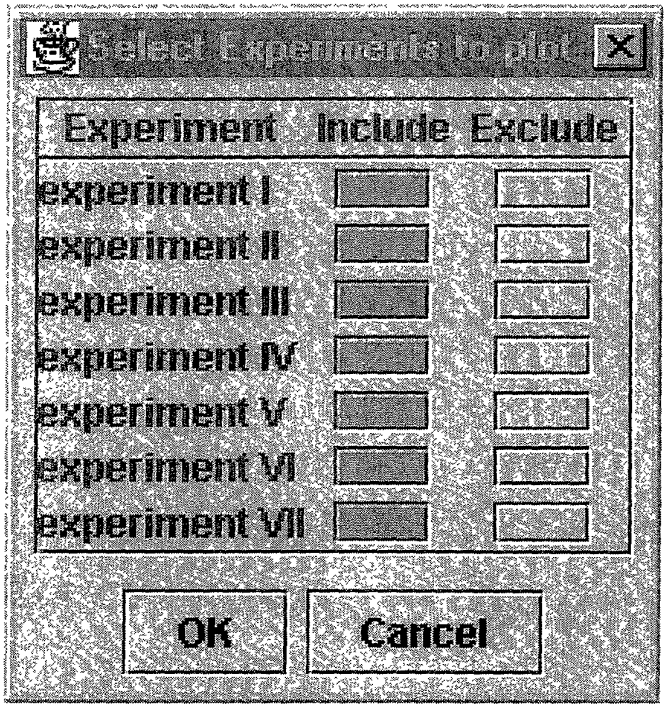


Figure 36

The "Select Experiments to plot" dialog box for the variance histogram.

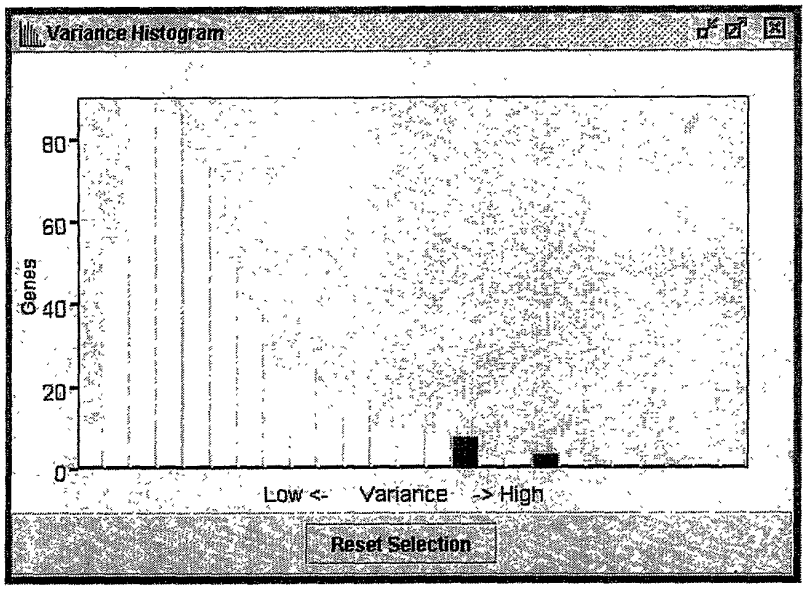


Fig. 37

The Variance Histogram with two bars selected.

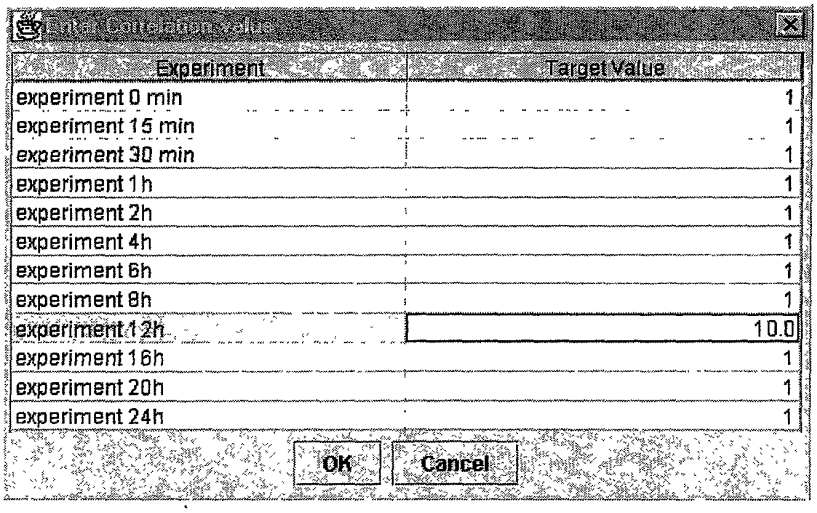


Fig. 38

The "Enter Correlation Values" dialog box.

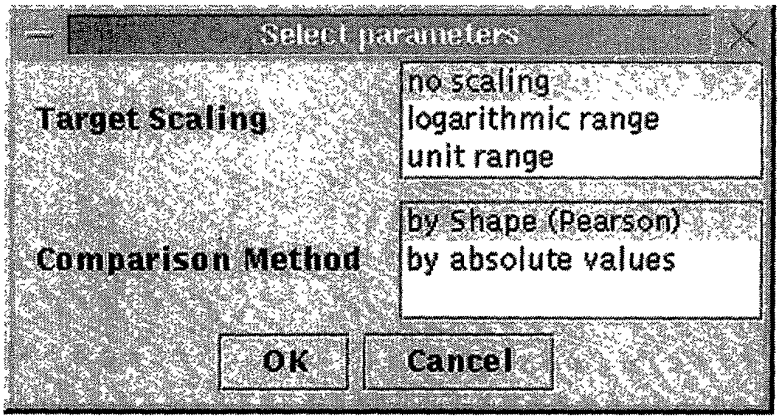


Fig. 39

Correlation histogram parameters dialog box.

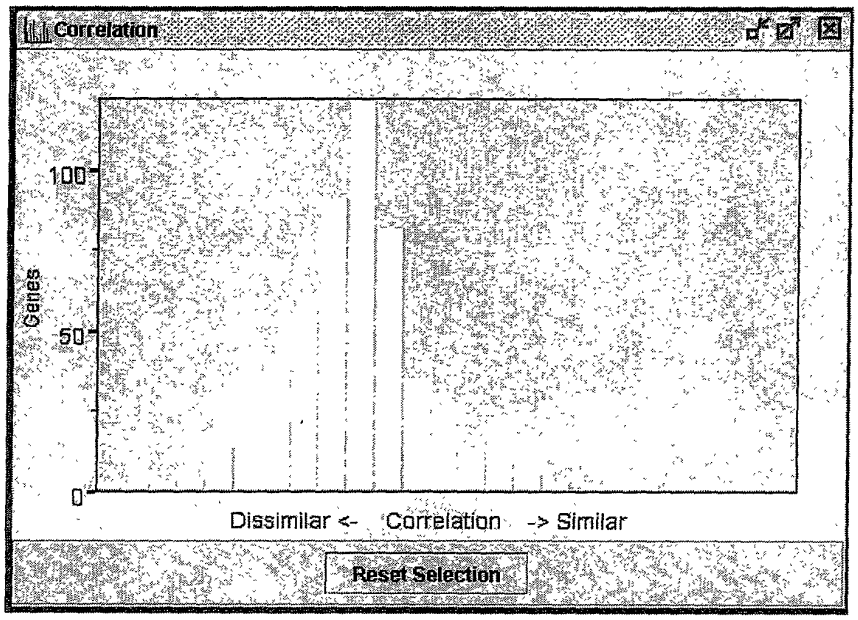


Fig. 40

A correlation histogram created using the "no scaling" and the "by Shape (Pearson)" parameters.

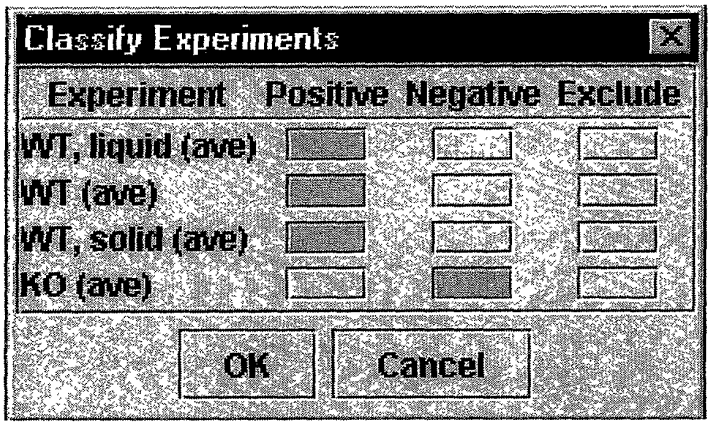


Fig. 41

The "Classify Experiments" dialog box.

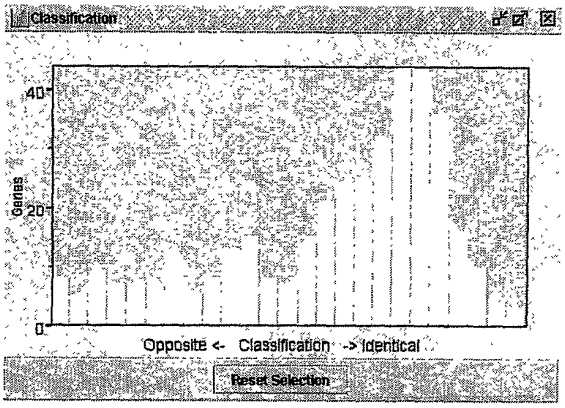


Figure 42

The Classification histogram created using the "adjust scales" scaling procedure and the data displayed in the "Classify Experiments" dialog box above (Figure).

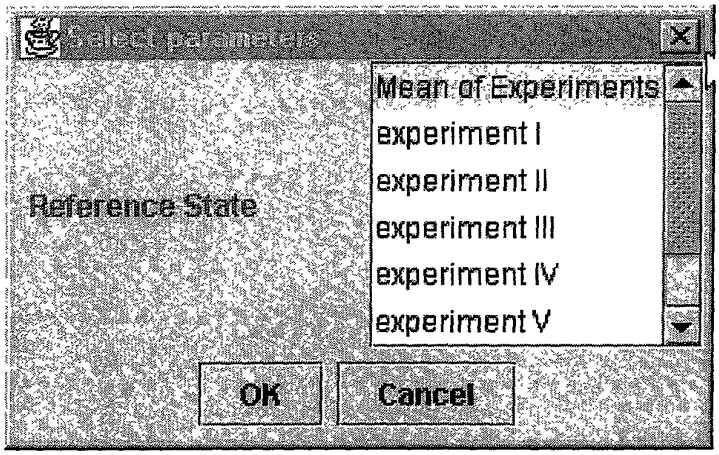


Fig. 43

Select reference state dialog box.

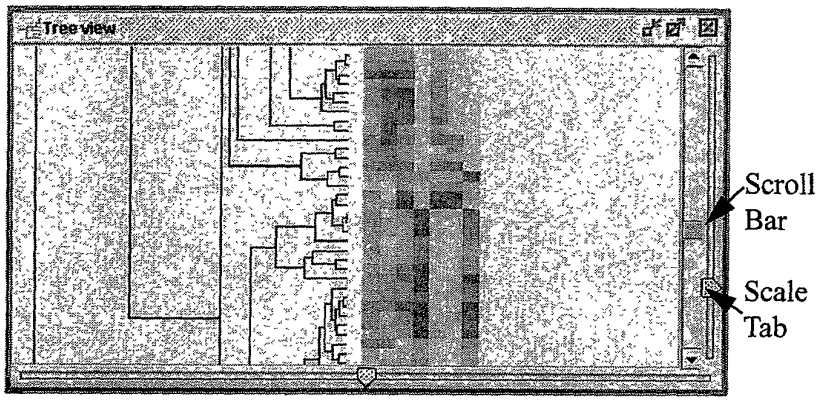


Figure 44

The Cluster Tree analysis view.

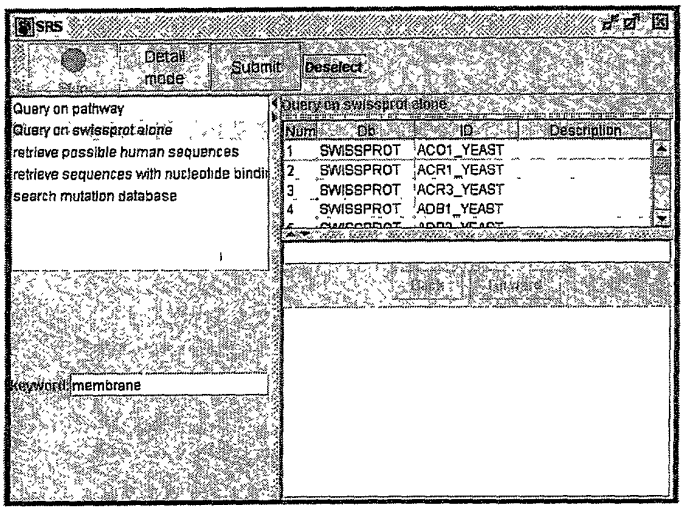


Fig. 45

The SRS Interface in Simple Mode.

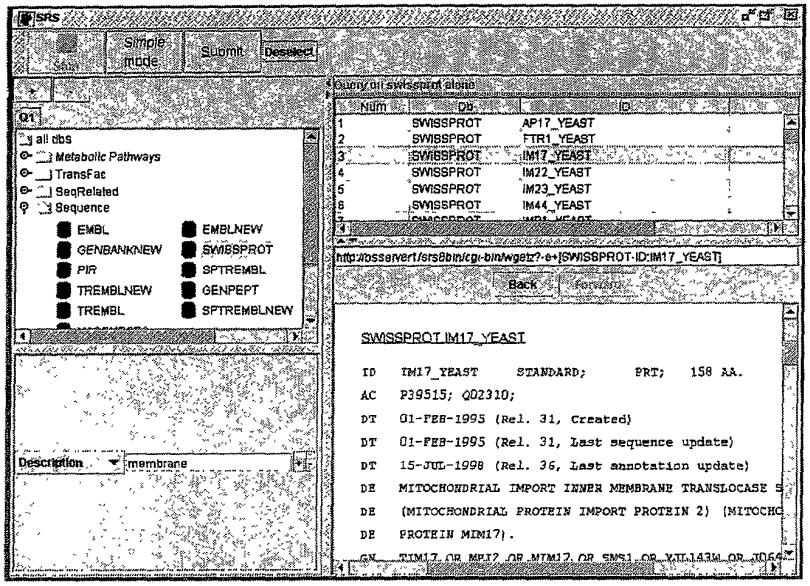


Fig. 46

The software SRS Interface in Detail Mode displaying a completed query and a database entry.

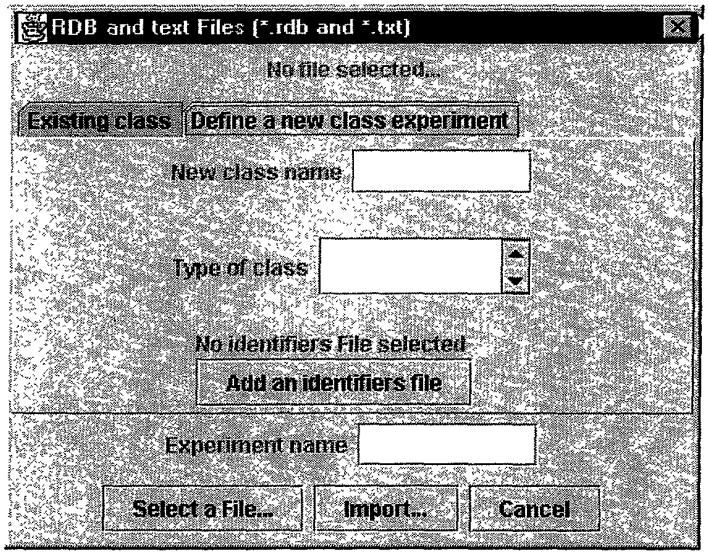


Fig. 47

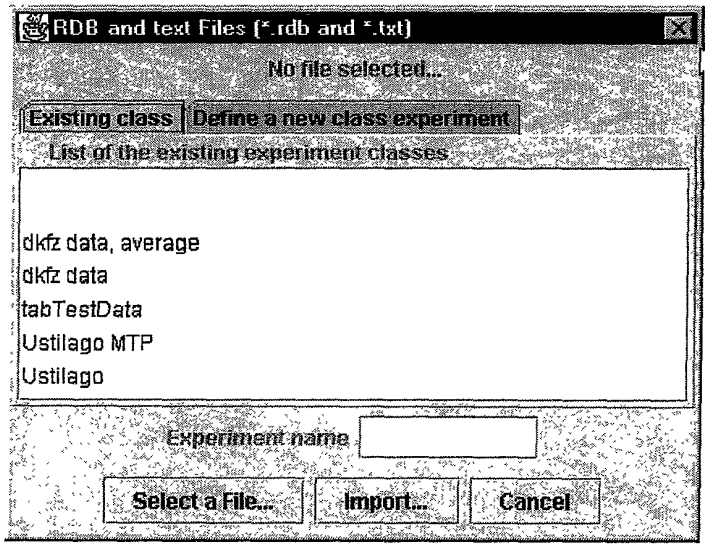


Fig. 48

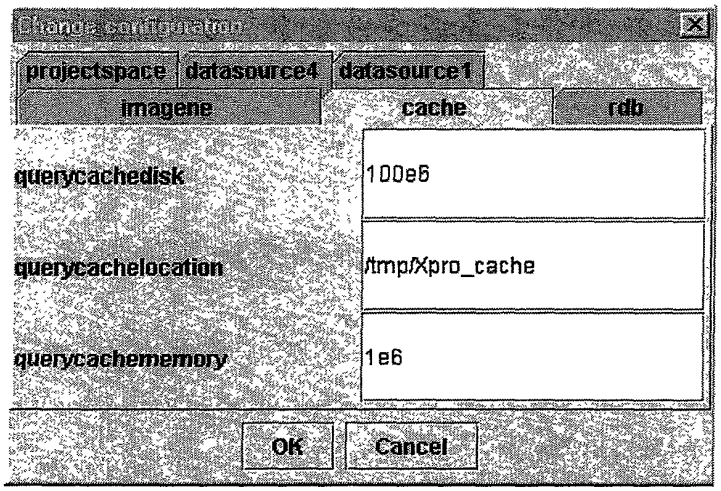


Figure 49

Change configuration dialog box.

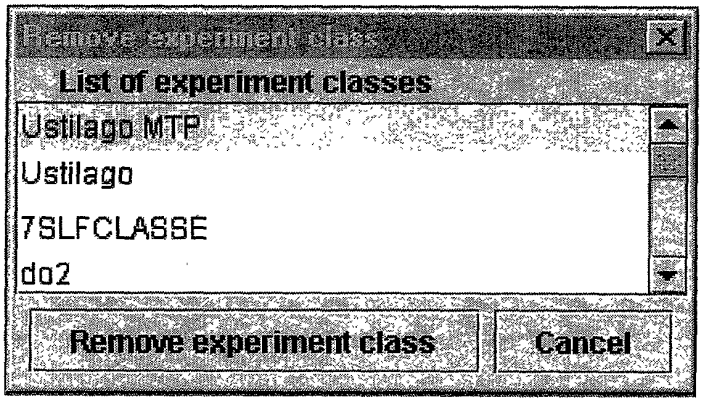


Fig. 50

Remove experiment class dialog box.

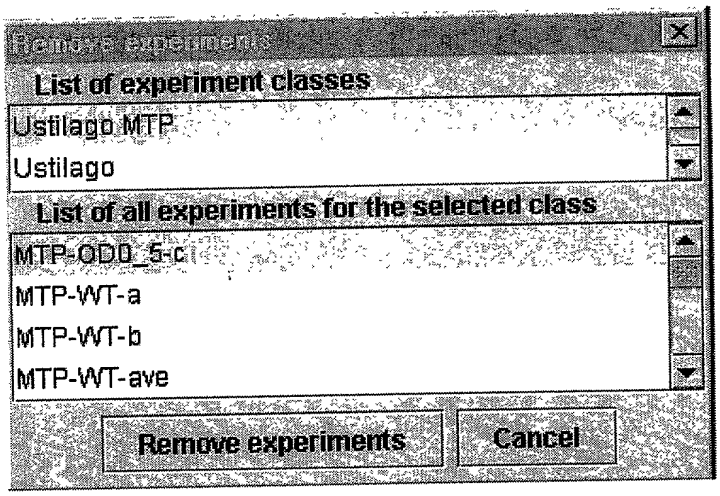


Fig. 51

Remove experiments dialog box.

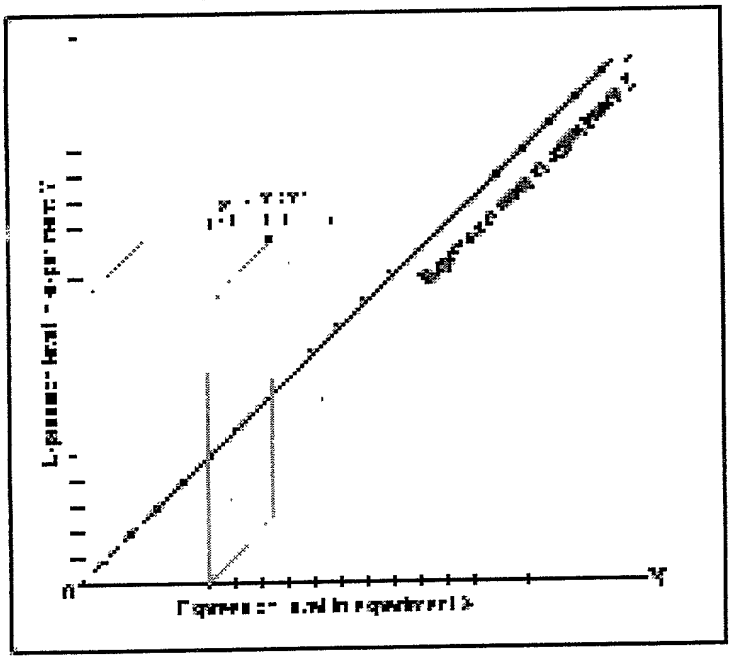


Fig. 52

A point (gene) plotted in three dimensions.

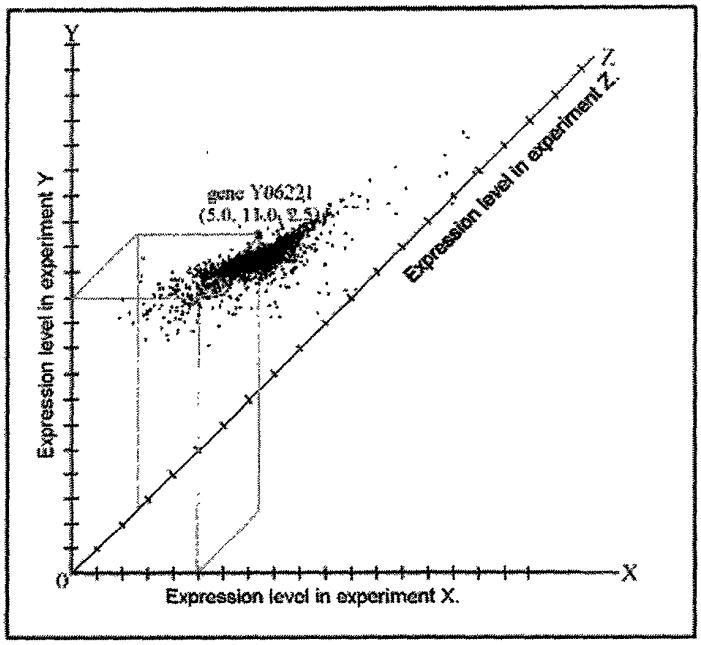


Fig. 53

Three experiments plotted in 3 dimensions.

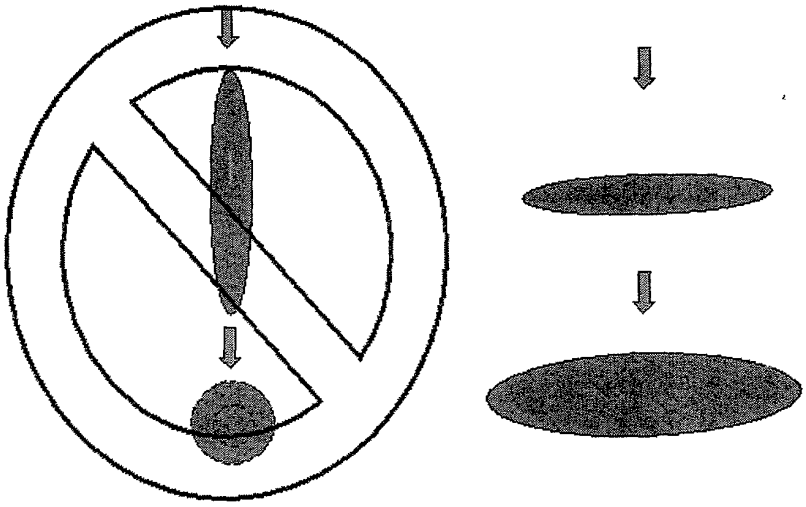
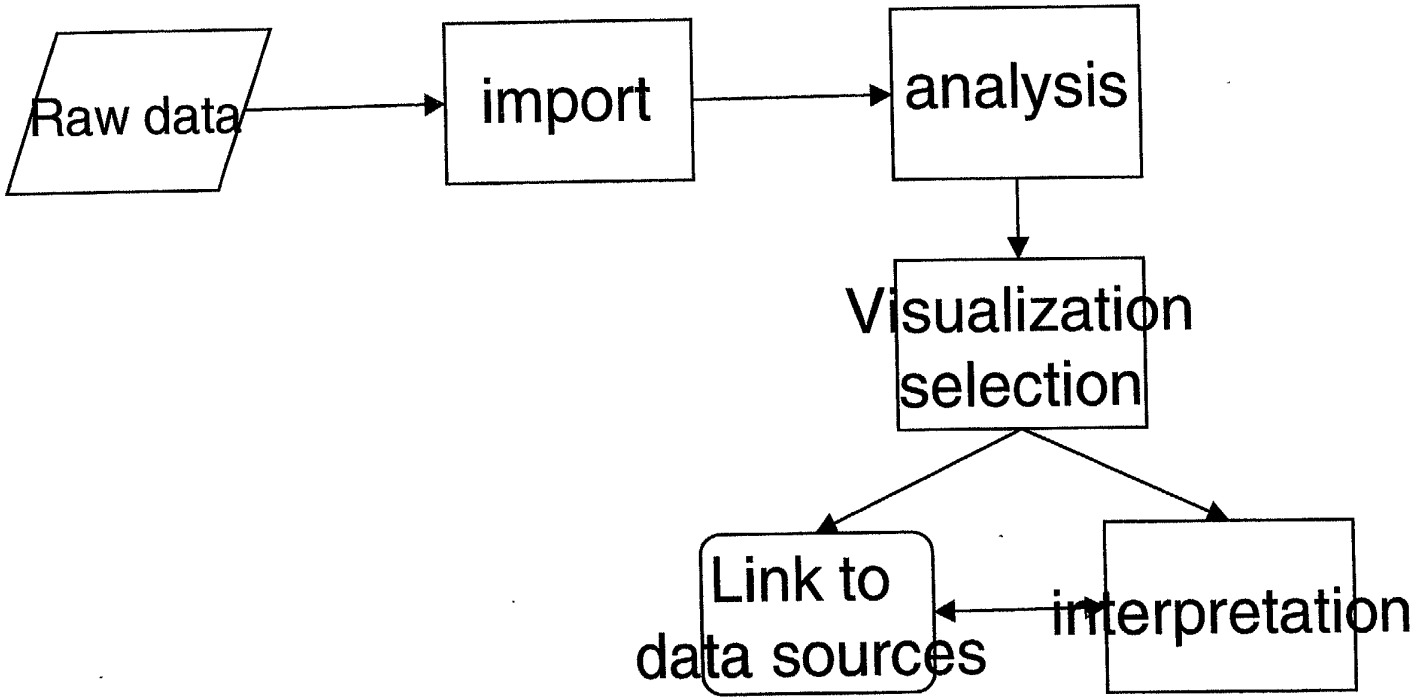


Fig. 54

Squash the cigar along its side to best preserve its shape.

General flow chart array analysis



LION BIOSCIENCE

FIG. 55

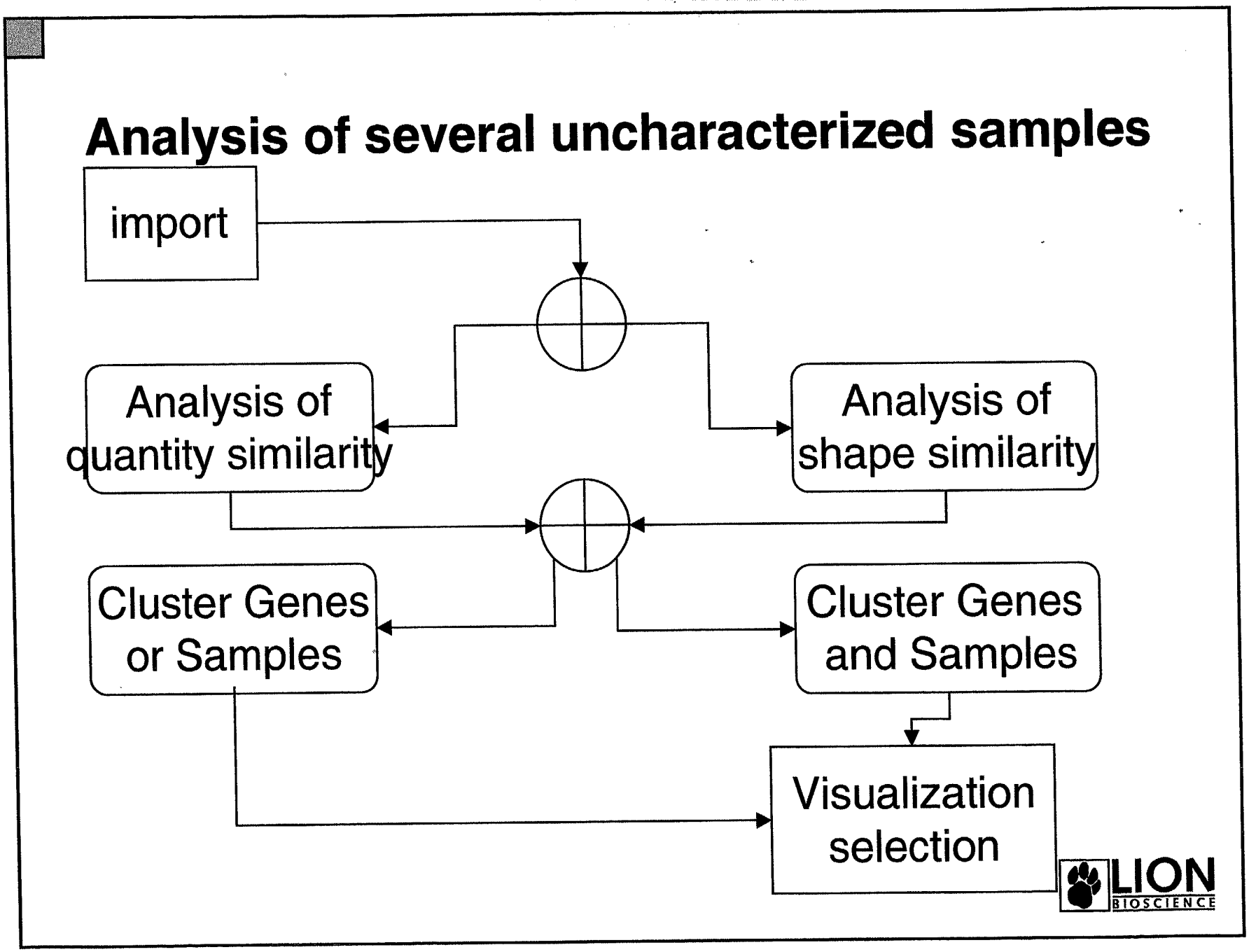


FIG 56

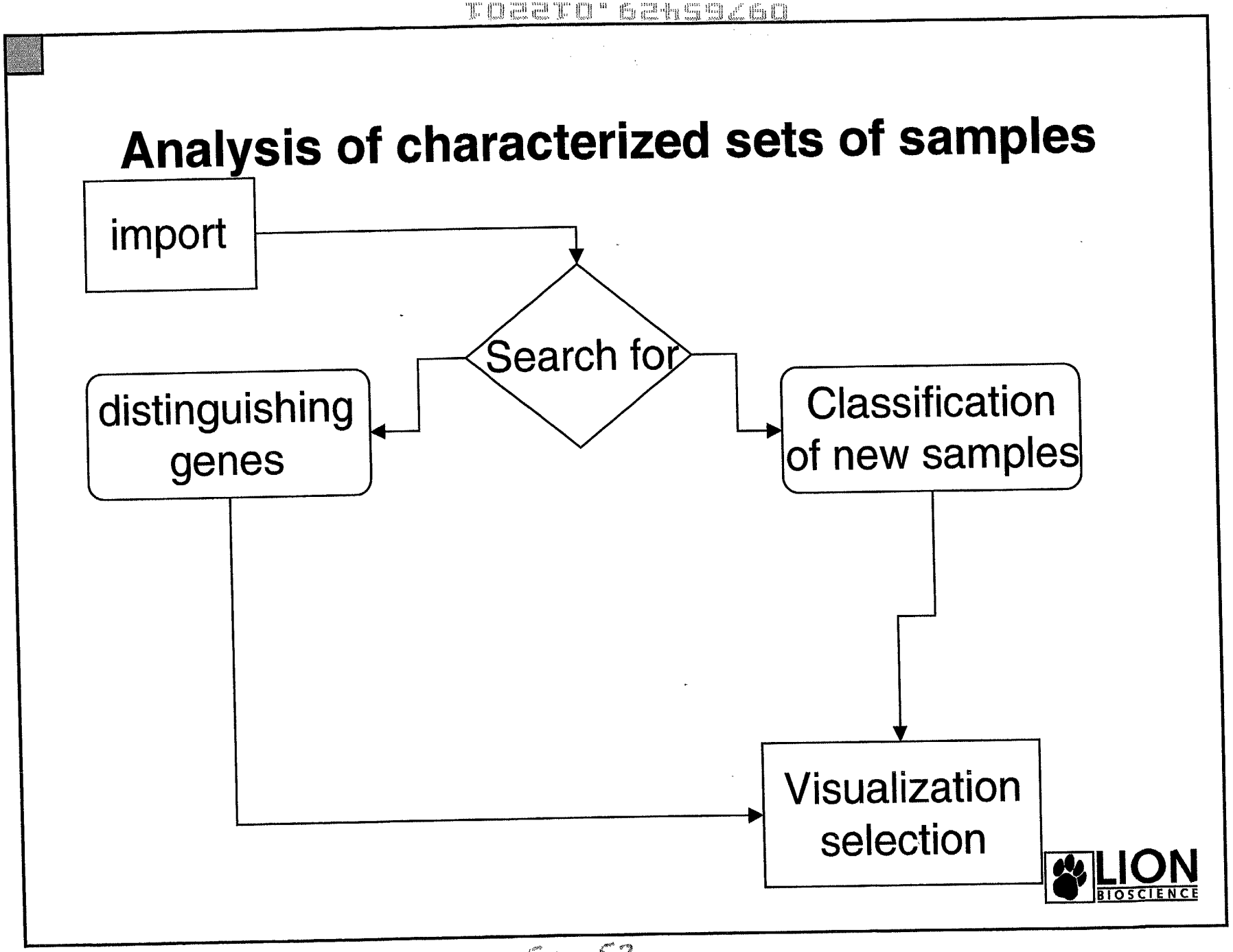

Analysis of characterized sets of samples
import
Search for
distinguishing genes
Classification of new samples
Visualization selection
LION BIOSCIENCE

Fig. 57

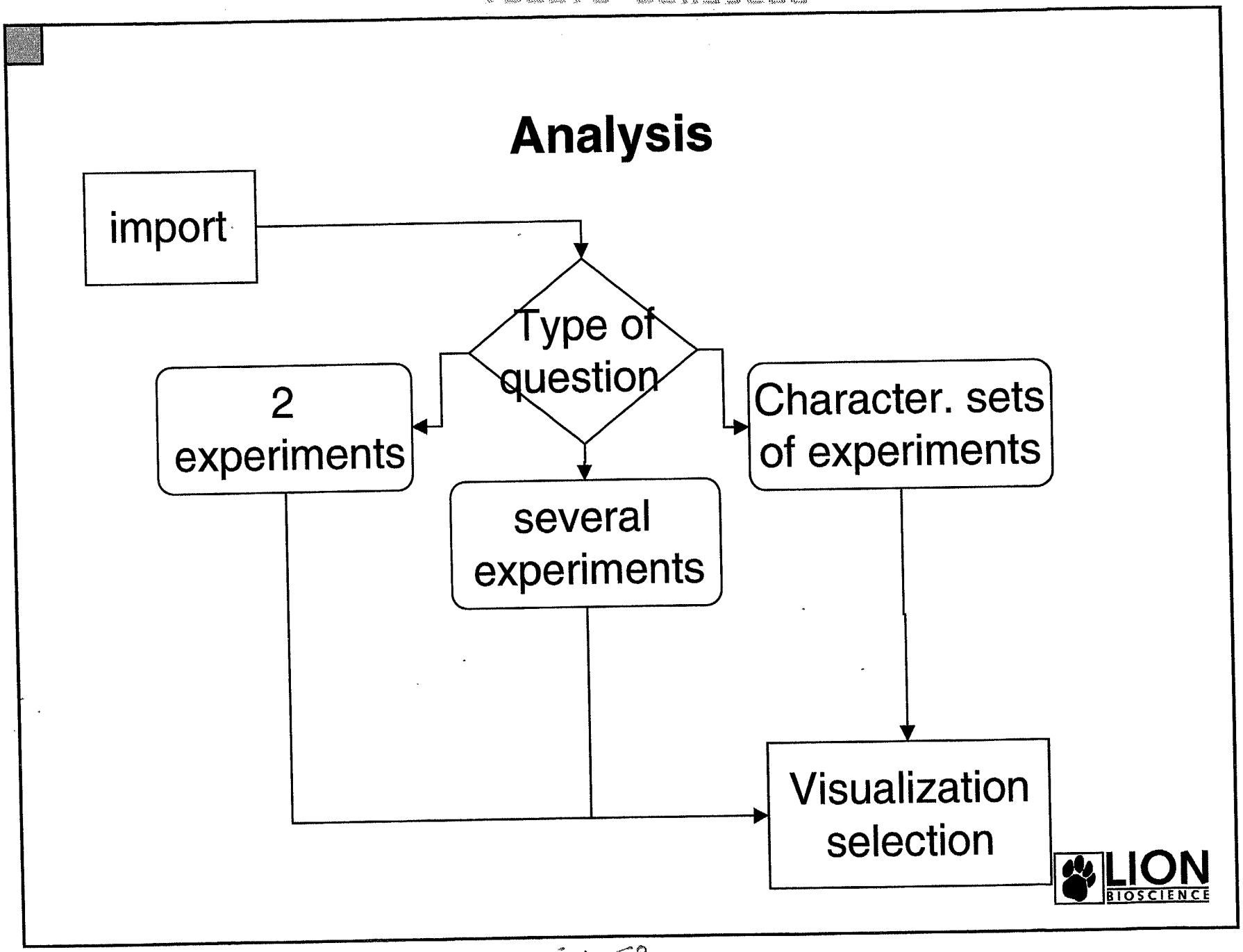


FIG. 58

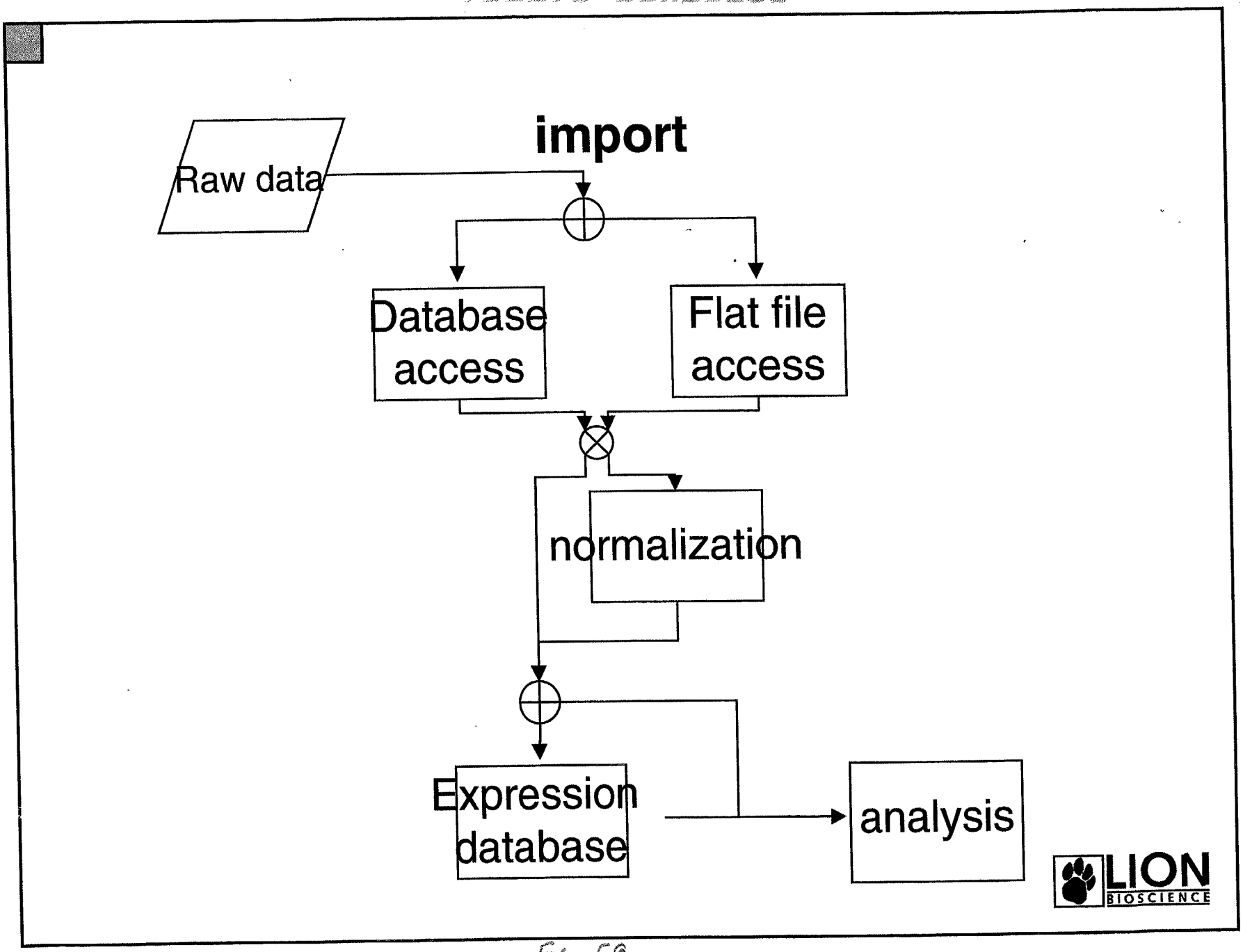


FIG. 59

simultaneous analysis of Gene and Sample similarity

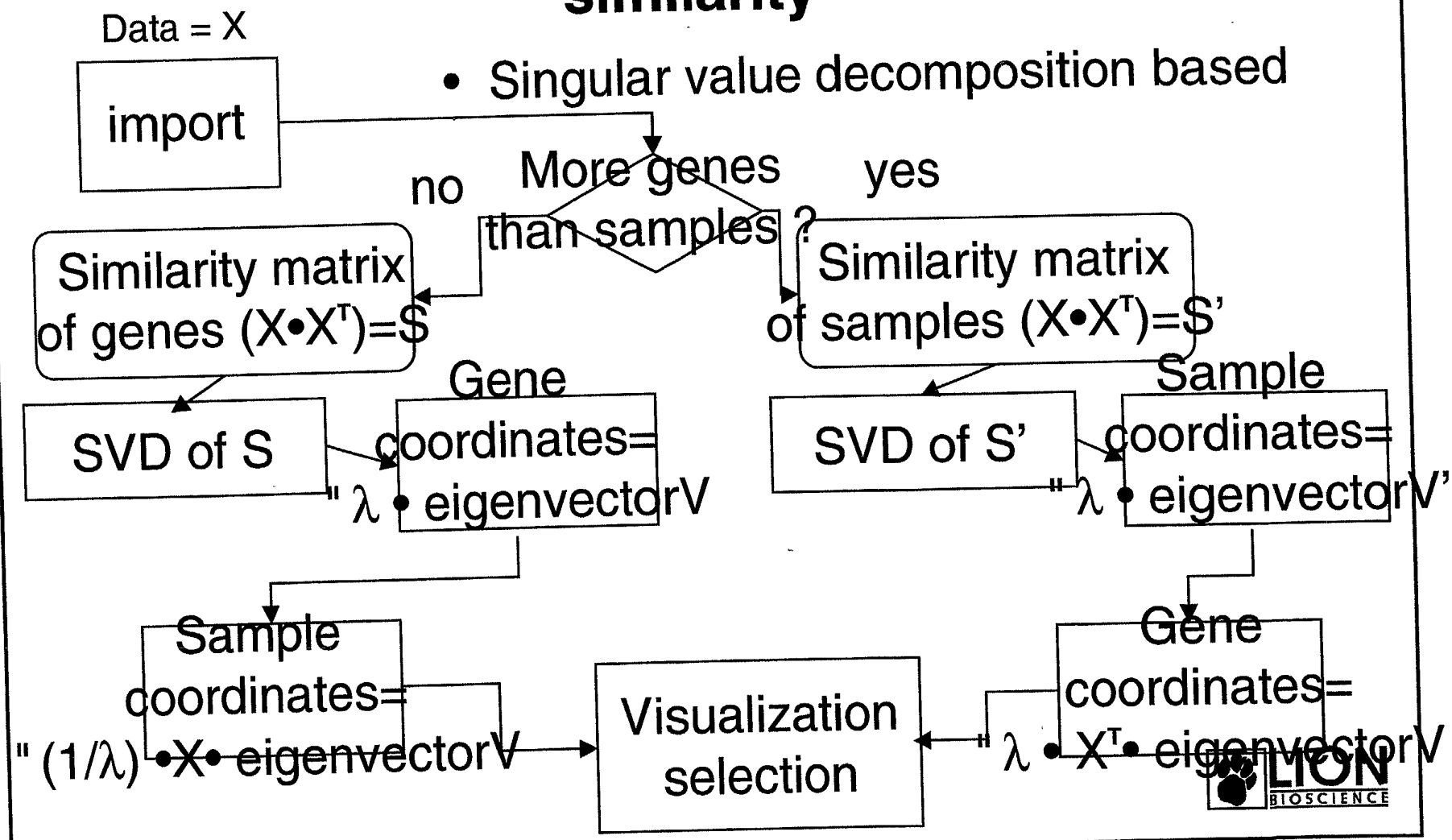


FIG. 60

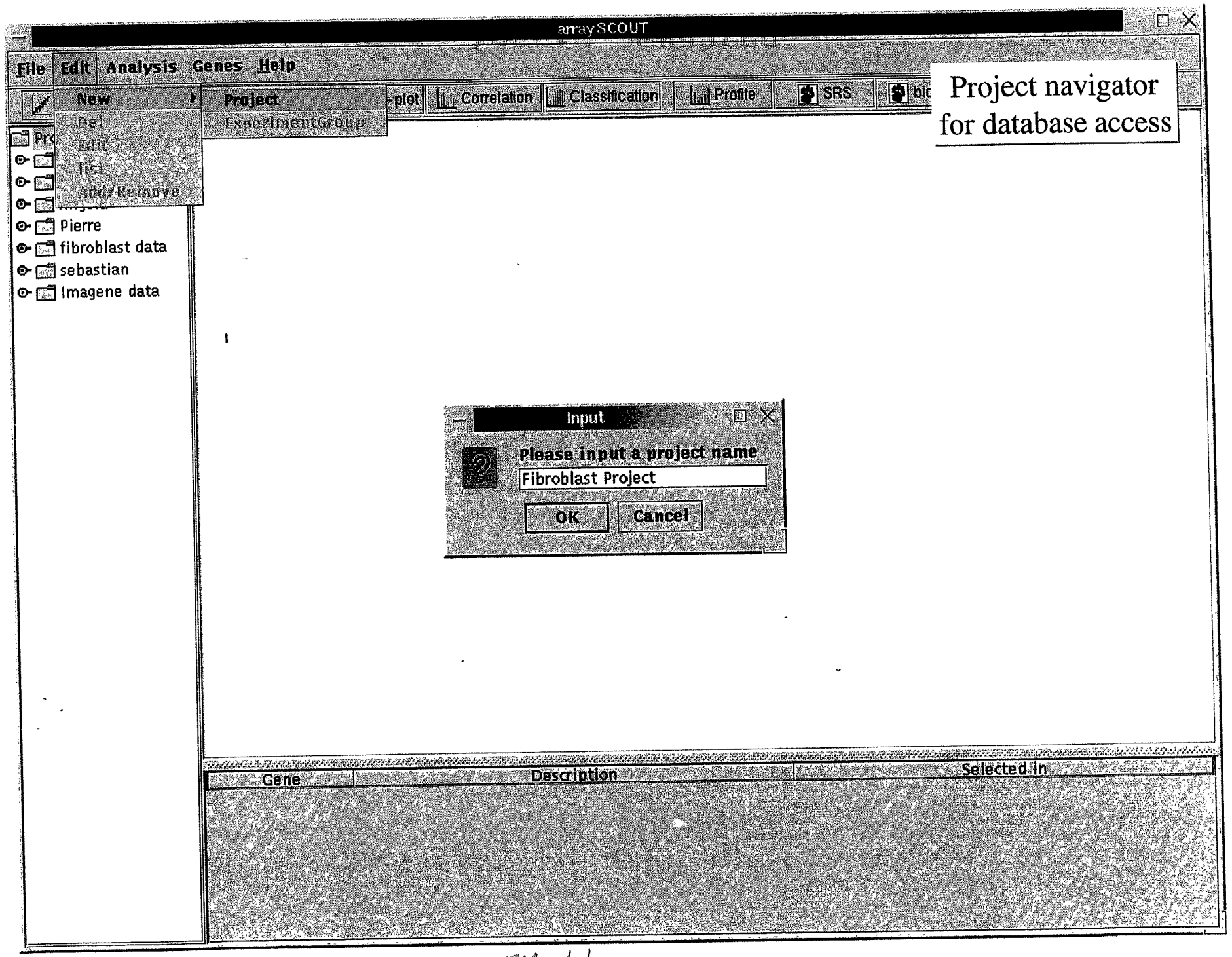

arraySCOUT
File
Edit
Analysis
Genes
Help
New
Del
Edit
list
Add/Remove
Project
ExperimentGroup
plot
Correlation
Classification
Profile
SRS
Project navigator for database access
Pierre
fibroblast data
sebastian
Imagene data
Input
Please input a project name
Fibroblast Project
OK
Cancel
Gene
Description
Selected in

FIG. 61

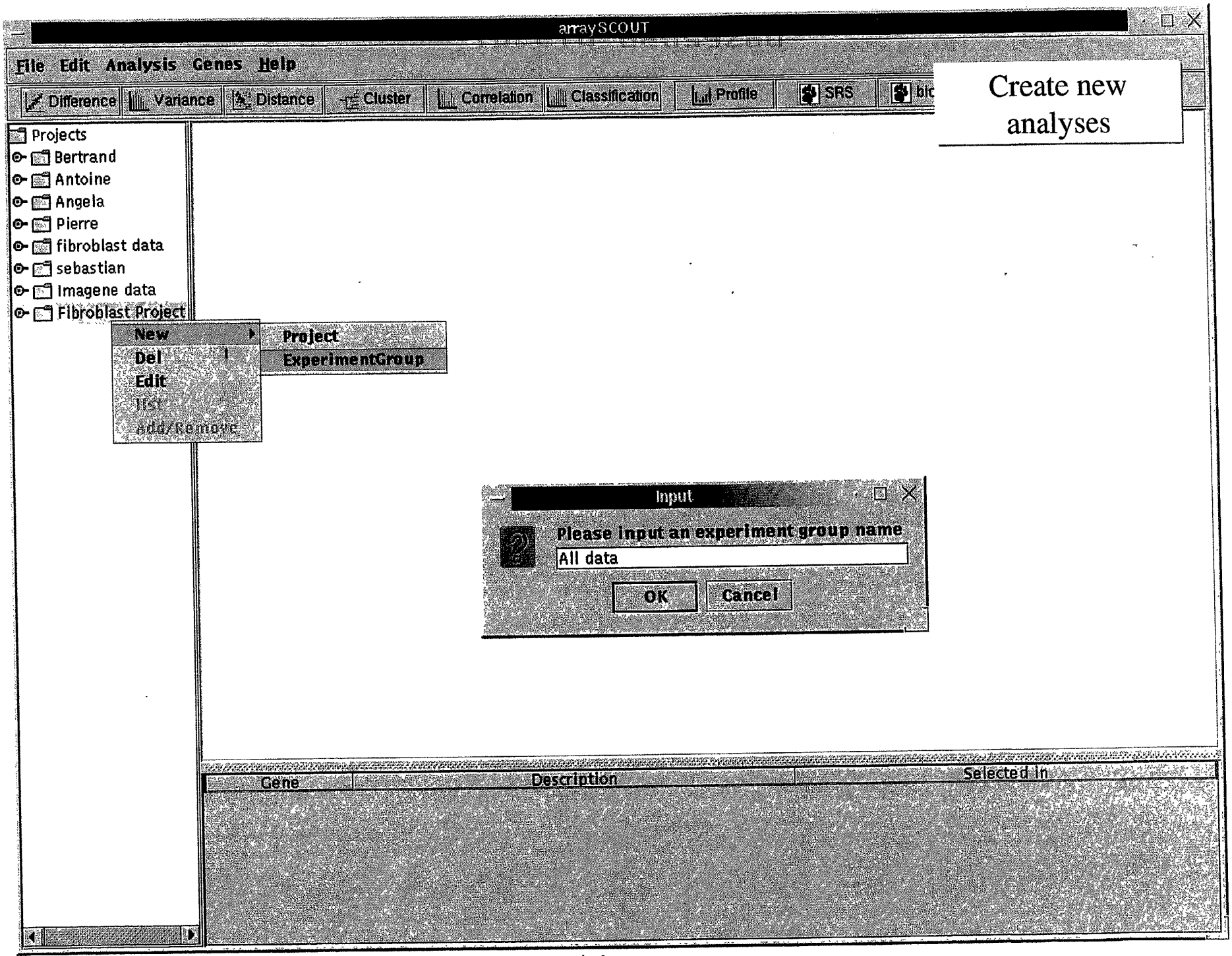

arraySCOUT
File Edit Analysis Genes Help
Difference
Variance
Distance
Cluster
Correlation
Classification
Profile
SRS
Create new analyses
Projects
Bertrand
Antoine
Angela
Pierre
fibroblast data
sebastian
Imagene data
Fibroblast Project
New
Del
Edit
List
Add/Remove
Project
ExperimentGroup
Input
Please input an experiment group name
All data
OK
Cancel
Gene
Description
Selected in

FIG. 62

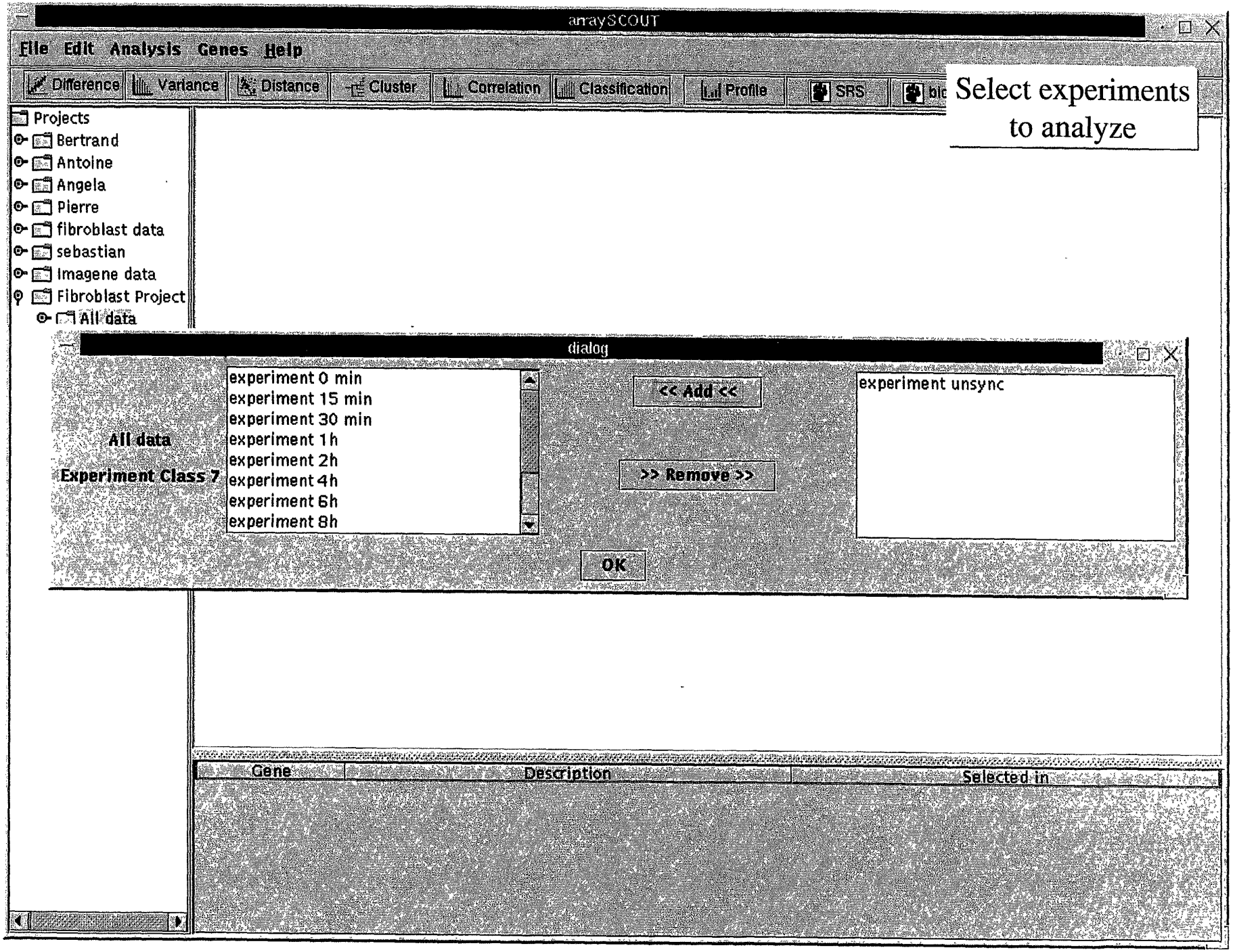

arraySCOUT
File Edit Analysis Genes Help
Difference
Variance
Distance
Cluster
Correlation
Classification
Profile
SRS
Select experiments to analyze
Projects
Bertrand
Antoine
Angela
Pierre
fibroblast data
sebastian
Imagene data
Fibroblast Project
All data
dialog
All data
Experiment Class 7
experiment 0 min
experiment 15 min
experiment 30 min
experiment 1h
experiment 2h
experiment 4h
experiment 6h
experiment 8h
<< Add <<
>> Remove >>
OK
experiment unsync
Gene
Description
Selected in

FIG. 63

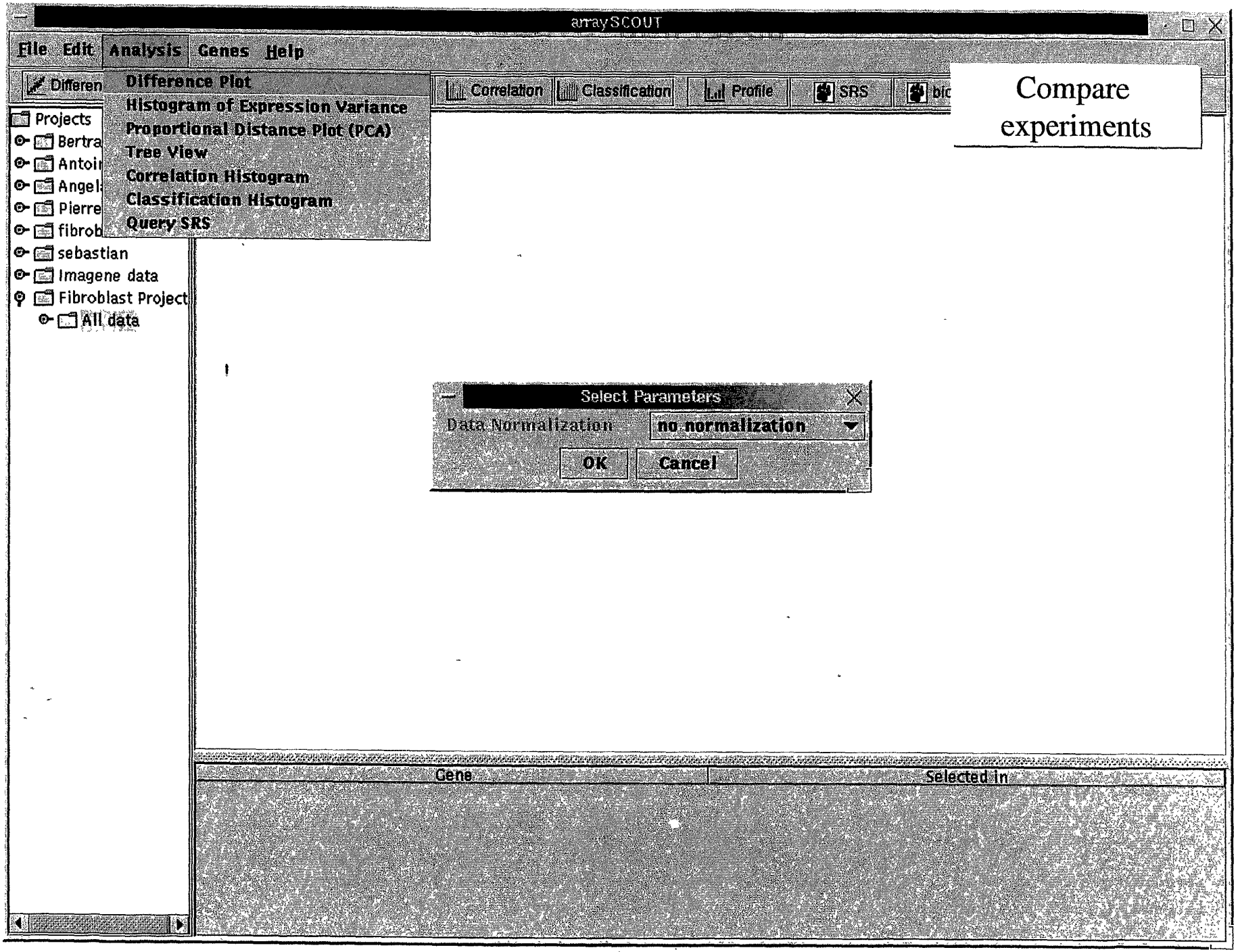
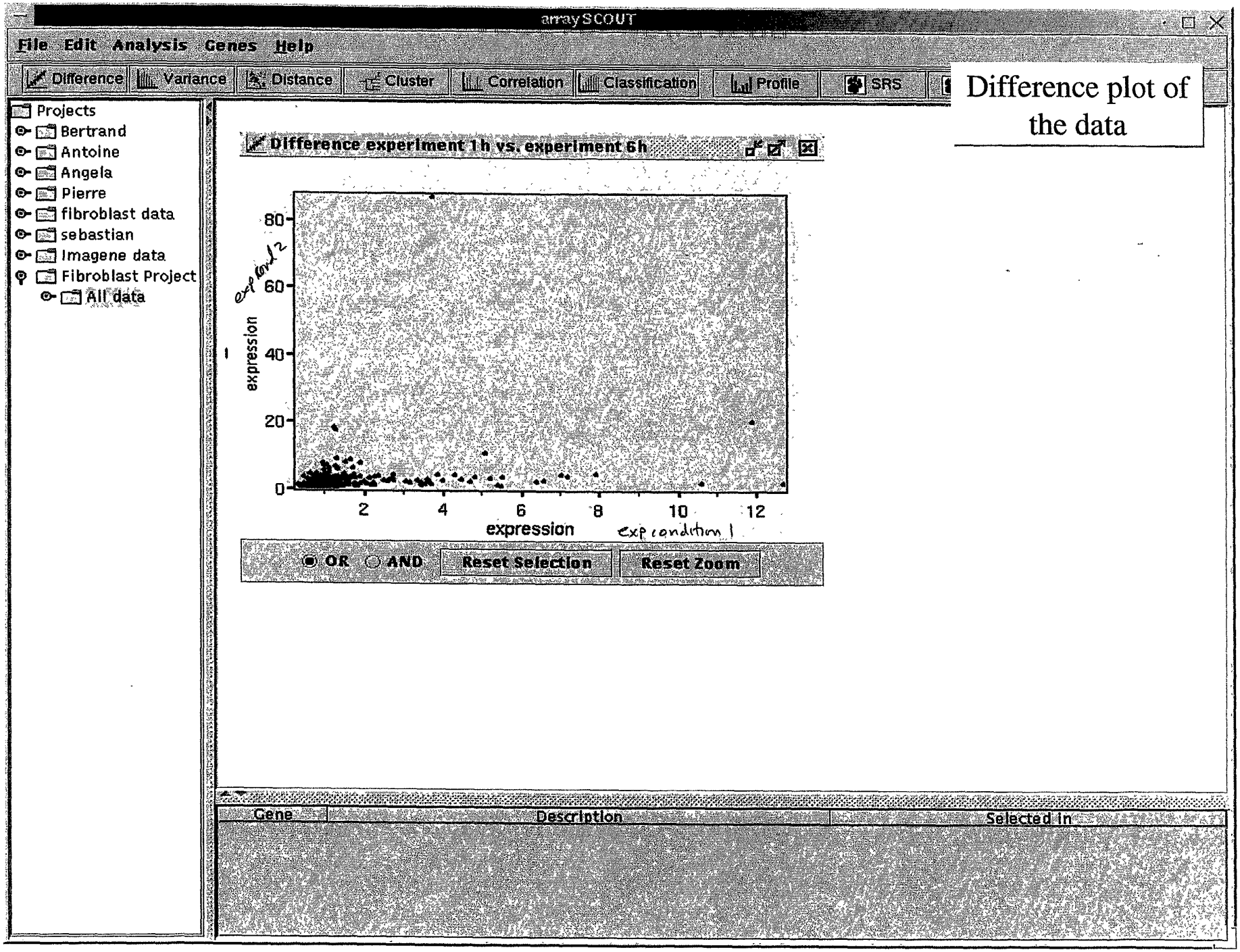

arraySCOUT
File Edit Analysis Genes Help
Difference Plot
Histogram of Expression Variance
Proportional Distance Plot (PCA)
Tree View
Correlation Histogram
Classification Histogram
Query SRS
Correlation
Classification
Profile
SRS
Projects
Bertra
Antoi
Angel
Pierre
fibrob
sebastian
Imagene data
Fibroblast Project
All data
Select Parameters
Data Normalization
no normalization
OK
Cancel
Gene
Selected in
Compare experiments

FIG. 64



Difference plot of the data

FIG. 65

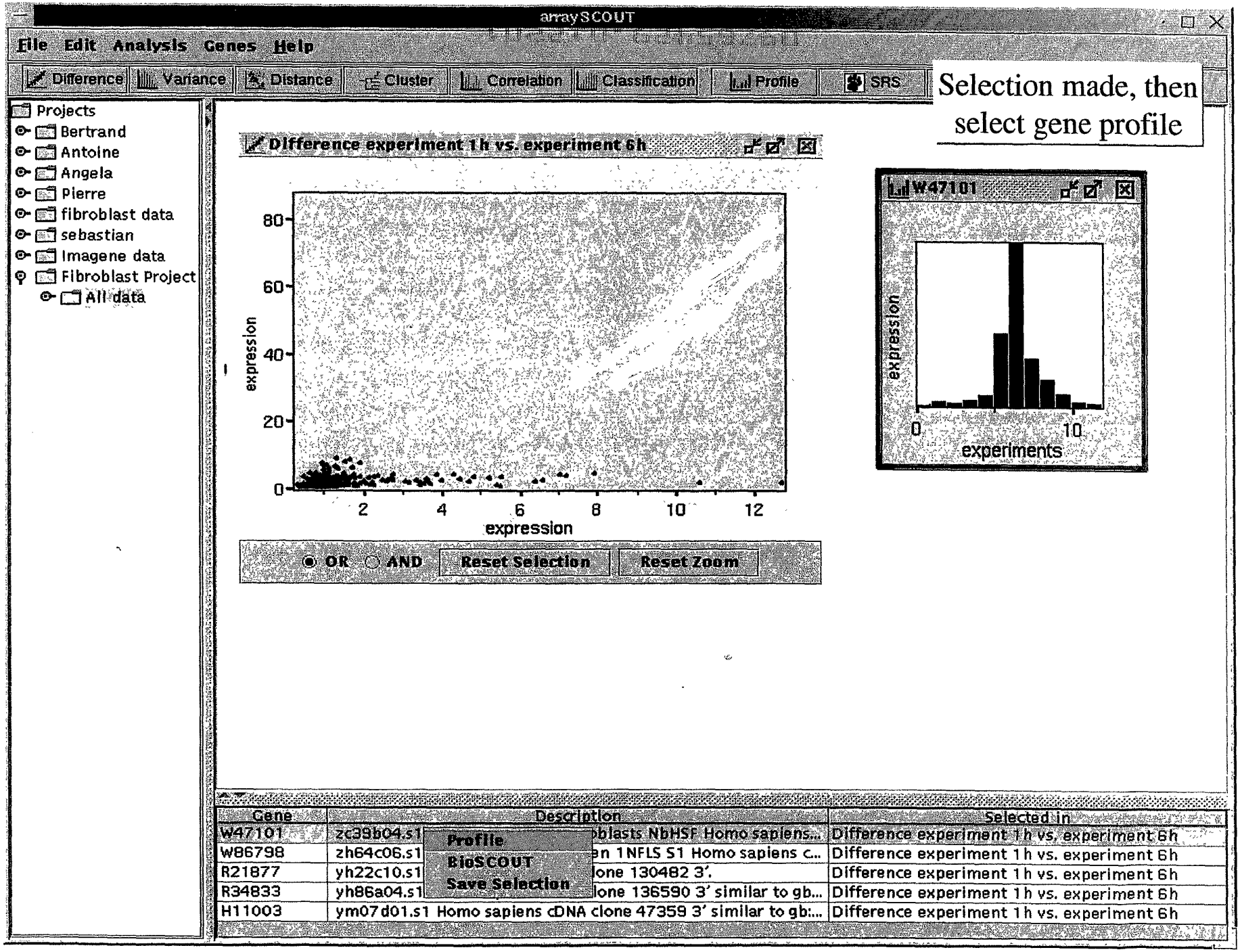

arraySCOUT
File Edit Analysis Genes Help
Difference Variance Distance Cluster Correlation Classification Profile SRS
Selection made, then select gene profile
Projects
Bertrand
Antoine
Angela
Pierre
fibroblast data
sebastian
Imagene data
Fibroblast Project
All data
Difference experiment 1h vs. experiment 6h
expression
expression
OR AND
Reset Selection
Reset Zoom
W47101
expression
experiments
Gene
Description
Selected in
W47101 zc39b04.s1
W86798 zh64c06.s1
R21877 yh22c10.s1
R34833 yh86a04.s1
H11003 ym07d01.s1 Homo sapiens cDNA clone 47359 3' similar to gb:...
Profile
BioSCOUT
Save Selection
Difference experiment 1h vs. experiment 6h
Difference experiment 1h vs. experiment 6h
Difference experiment 1h vs. experiment 6h
Difference experiment 1h vs. experiment 6h
Difference experiment 1h vs. experiment 6h

Fig. 66

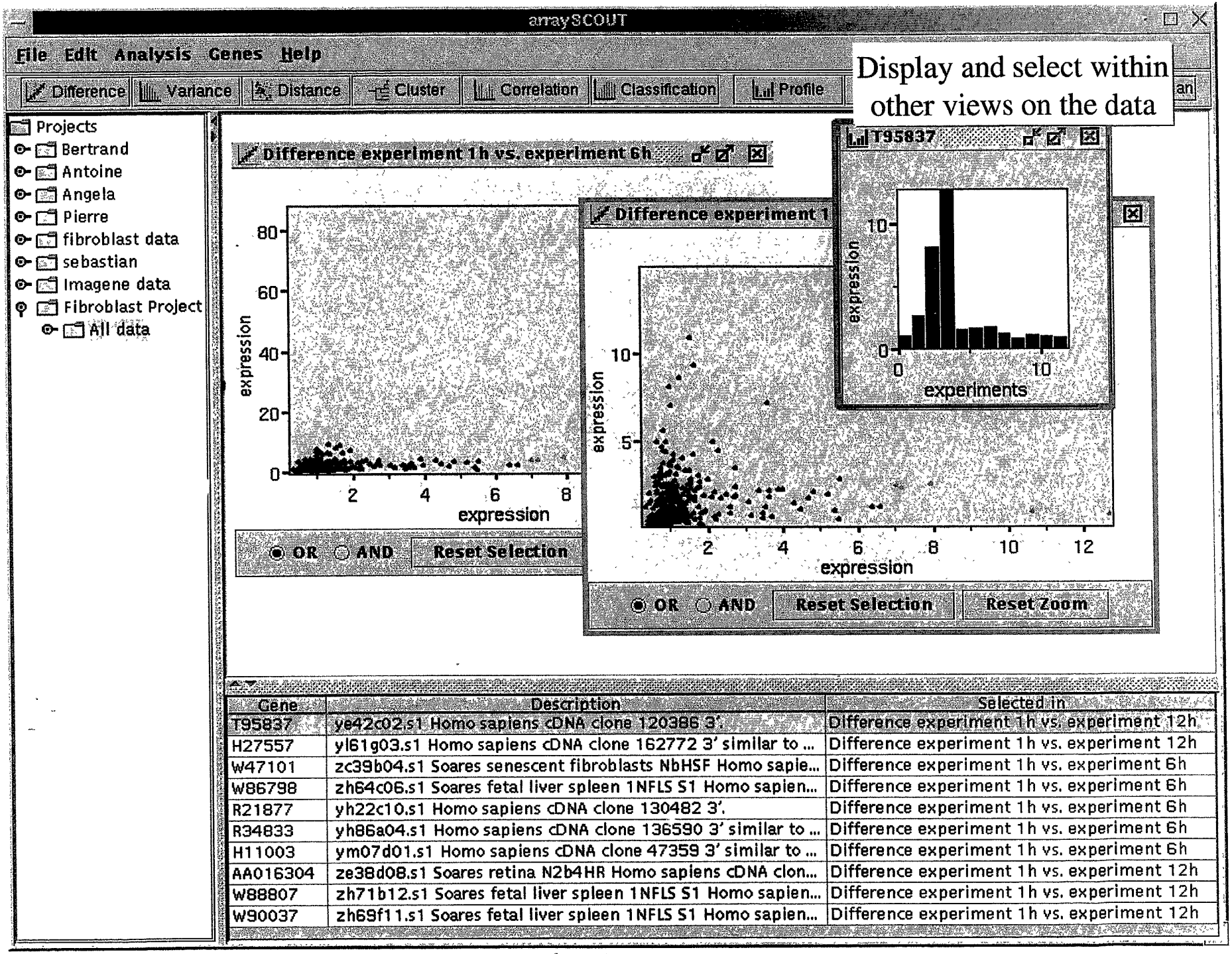
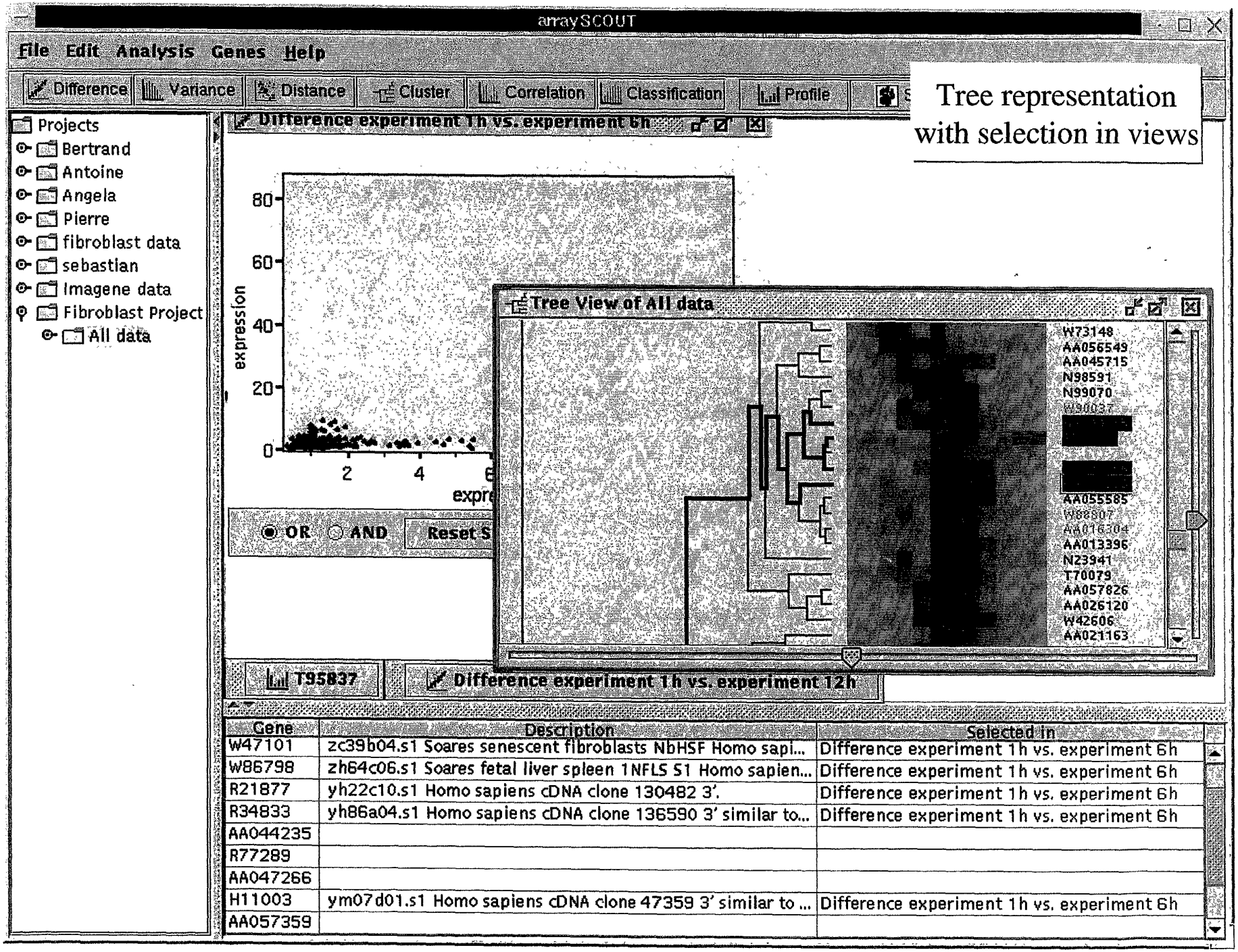

arraySCOUT
File Edit Analysis Genes Help
Difference
Variance
Distance
Cluster
Correlation
Classification
Profile
Display and select within other views on the data
Projects
Bertrand
Antoine
Angela
Pierre
fibroblast data
sebastian
Imagene data
Fibroblast Project
All data
Difference experiment 1h vs. experiment 6h
expression
OR
AND
Reset Selection
Difference experiment 1
T95837
experiments
Reset Zoom
Gene
Description
Selected in
T95837 ye42c02.s1 Homo sapiens cDNA clone 120386 3'. Difference experiment 1h vs. experiment 12h
H27557 yl61g03.s1 Homo sapiens cDNA clone 162772 3' similar to ... Difference experiment 1h vs. experiment 12h
W47101 zc39b04.s1 Soares senescent fibroblasts NbHSF Homo sapie... Difference experiment 1h vs. experiment 6h
W86798 zh64c06.s1 Soares fetal liver spleen 1NFLS S1 Homo sapien... Difference experiment 1h vs. experiment 6h
R21877 yh22c10.s1 Homo sapiens cDNA clone 130482 3'. Difference experiment 1h vs. experiment 6h
R34833 yh86a04.s1 Homo sapiens cDNA clone 136590 3' similar to ... Difference experiment 1h vs. experiment 6h
H11003 ym07d01.s1 Homo sapiens cDNA clone 47359 3' similar to ... Difference experiment 1h vs. experiment 6h
AA016304 ze38d08.s1 Soares retina N2b4HR Homo sapiens cDNA clon... Difference experiment 1h vs. experiment 12h
W88807 zh71b12.s1 Soares fetal liver spleen 1NFLS S1 Homo sapien... Difference experiment 1h vs. experiment 12h
W90037 zh69f11.s1 Soares fetal liver spleen 1NFLS S1 Homo sapien... Difference experiment 1h vs. experiment 12h

FIG. 67



Gene	Description	Selected in
W47101	zc39b04.s1 Soares senescent fibroblasts NbHSF Homo sapi...	Difference experiment 1h vs. experiment 6h
W86798	zh64c06.s1 Soares fetal liver spleen 1NFLS S1 Homo sapien...	Difference experiment 1h vs. experiment 6h
R21877	yh22c10.s1 Homo sapiens cDNA clone 130482 3'.	Difference experiment 1h vs. experiment 6h
R34833	yh86a04.s1 Homo sapiens cDNA clone 136590 3' similar to...	Difference experiment 1h vs. experiment 6h
AA044235		
R77289		
AA047266		
H11003	ym07d01.s1 Homo sapiens cDNA clone 47359 3' similar to ...	Difference experiment 1h vs. experiment 6h
AA057359		

Fig. 68

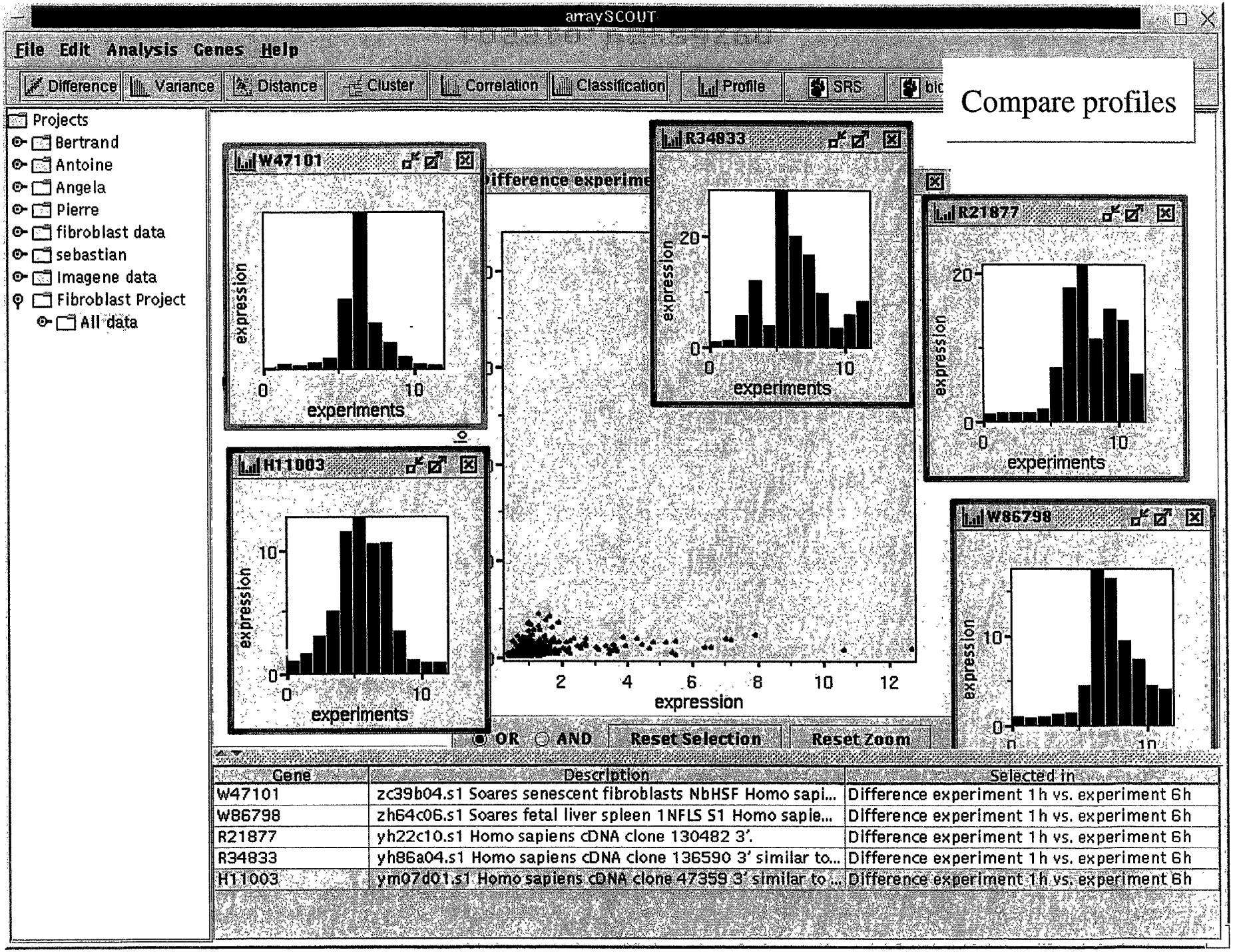
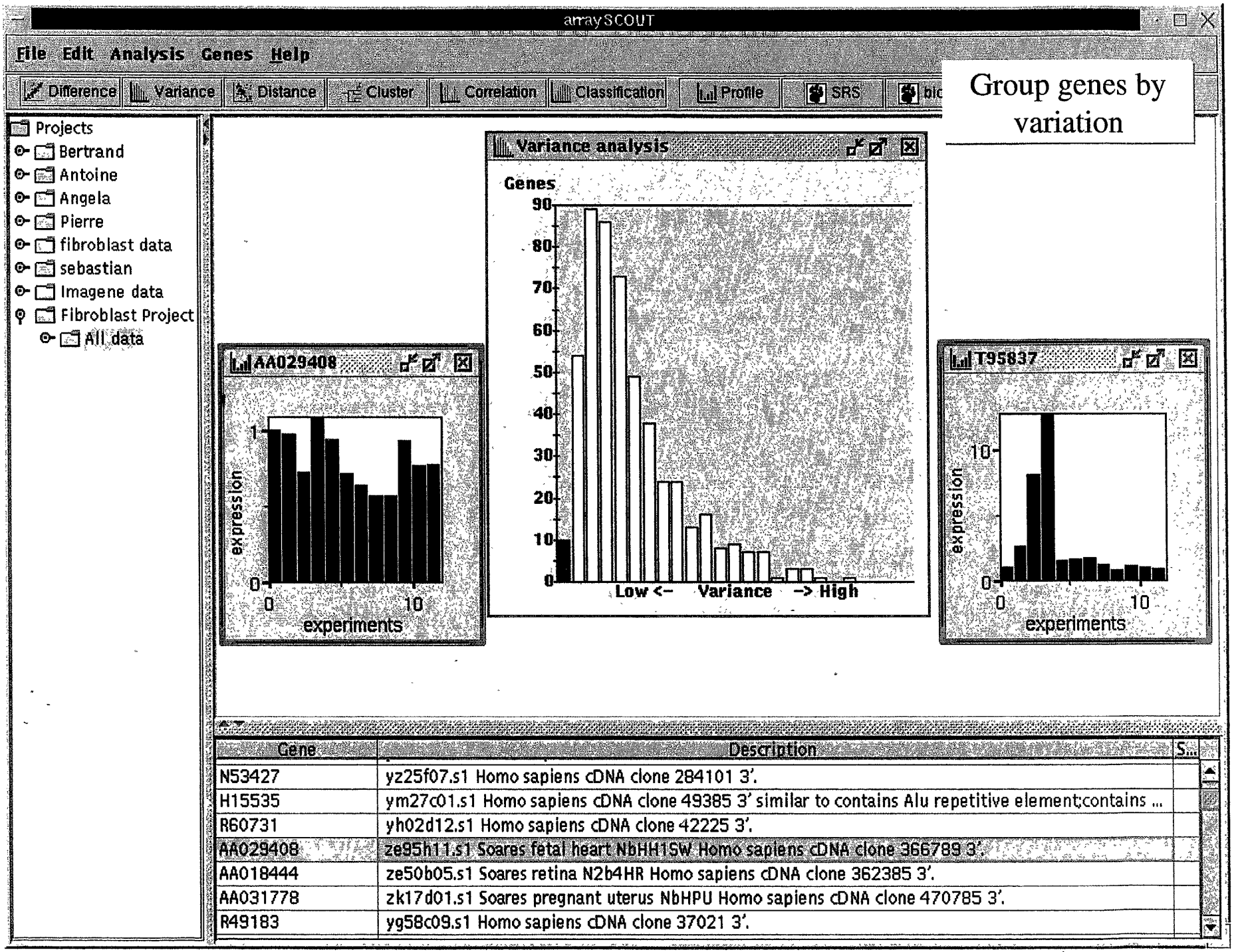

arraySCOUT
File Edit Analysis Genes Help
Difference
Variance
Distance
Cluster
Correlation
Classification
Profile
SRS
Compare profiles
Projects
Bertrand
Antoine
Angela
Pierre
fibroblast data
sebastian
Imagene data
Fibroblast Project
All data
W47101
R34833
R21877
H11003
W86798
expression
experiments
OR
AND
Reset Selection
Reset Zoom
Gene
Description
Selected in
W47101
zc39b04.s1 Soares senescent fibroblasts NbHSF Homo sapi...
Difference experiment 1h vs. experiment 6h
W86798
zh64c06.s1 Soares fetal liver spleen 1NFLS S1 Homo sapie...
Difference experiment 1h vs. experiment 6h
R21877
yh22c10.s1 Homo sapiens cDNA clone 130482 3'.
Difference experiment 1h vs. experiment 6h
R34833
yh86a04.s1 Homo sapiens cDNA clone 136590 3' similar to...
Difference experiment 1h vs. experiment 6h
H11003
ym07d01.s1 Homo sapiens cDNA clone 47359 3' similar to ...
Difference experiment 1h vs. experiment 6h

FIG. 69



Gene	Description	S...
N53427	yz25f07.s1 Homo sapiens cDNA clone 284101 3'.	
H15535	ym27c01.s1 Homo sapiens cDNA clone 49385 3' similar to contains Alu repetitive element;contains ...	
R60731	yh02d12.s1 Homo sapiens cDNA clone 42225 3'.	
AA029408	ze95h11.s1 Soares fetal heart NbHH1SW Homo sapiens cDNA clone 366789 3'.	
AA018444	ze50b05.s1 Soares retina N2b4HR Homo sapiens cDNA clone 362385 3'.	
AA031778	zk17d01.s1 Soares pregnant uterus NbHPU Homo sapiens cDNA clone 470785 3'.	
R49183	yg58c09.s1 Homo sapiens cDNA clone 37021 3'.	

FIG. 7O

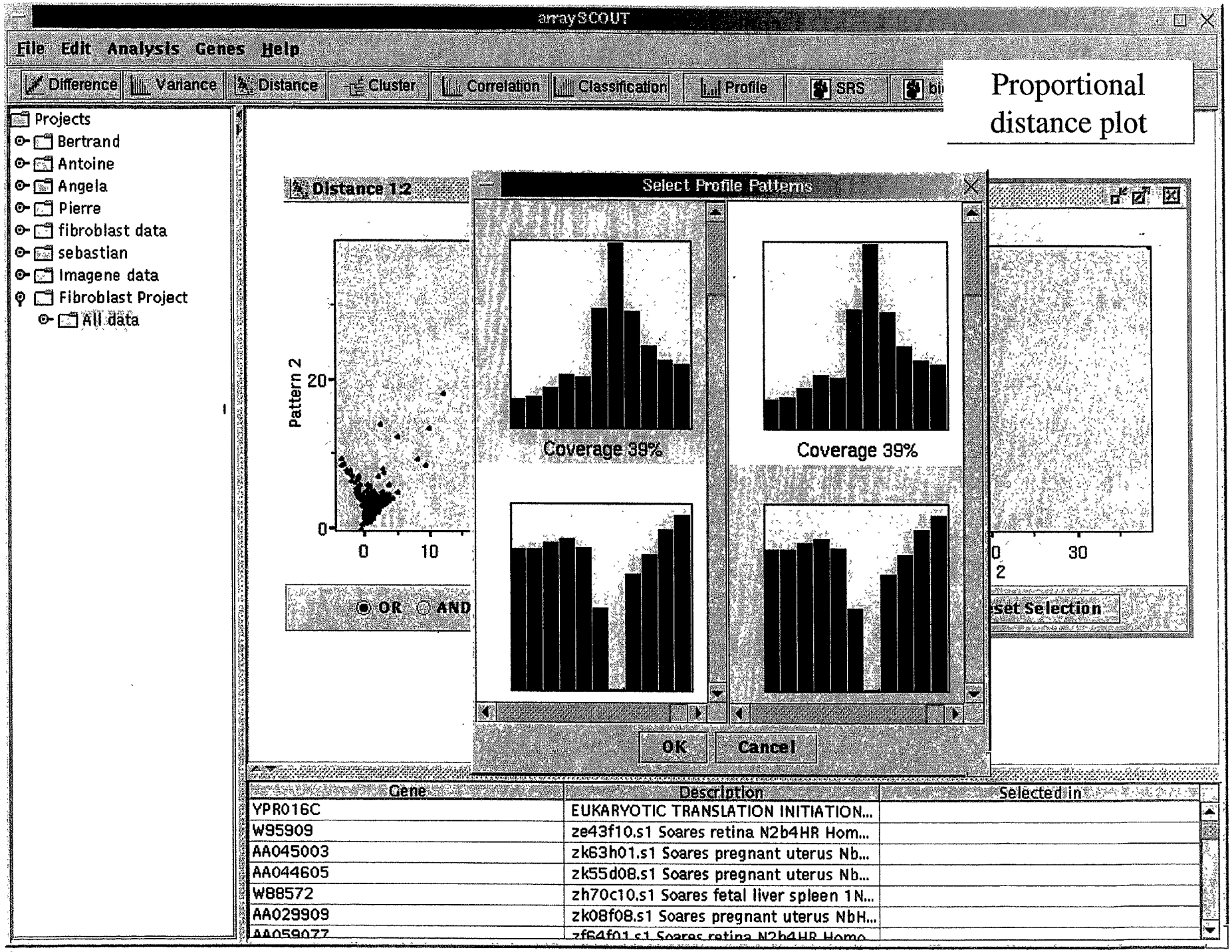

arraySCOUT
File Edit Analysis Genes Help
Difference
Variance
Distance
Cluster
Correlation
Classification
Profile
SRS
Projects
Bertrand
Antoine
Angela
Pierre
fibroblast data
sebastian
Imagene data
Fibroblast Project
All data
Proportional distance plot
Distance 1:2
Pattern 2
20
0
0
10
OR
AND
Select Profile Patterns
Coverage 39%
Coverage 39%
OK
Cancel
0
30
2
set Selection
Gene
Description
Selected in
YPR016C
EUKARYOTIC TRANSLATION INITIATION...
W95909
ze43f10.s1 Soares retina N2b4HR Hom...
AA045003
zk63h01.s1 Soares pregnant uterus Nb...
AA044605
zk55d08.s1 Soares pregnant uterus Nb...
W88572
zh70c10.s1 Soares fetal liver spleen 1N...
AA029909
zk08f08.s1 Soares pregnant uterus NbH...

Fig. 71

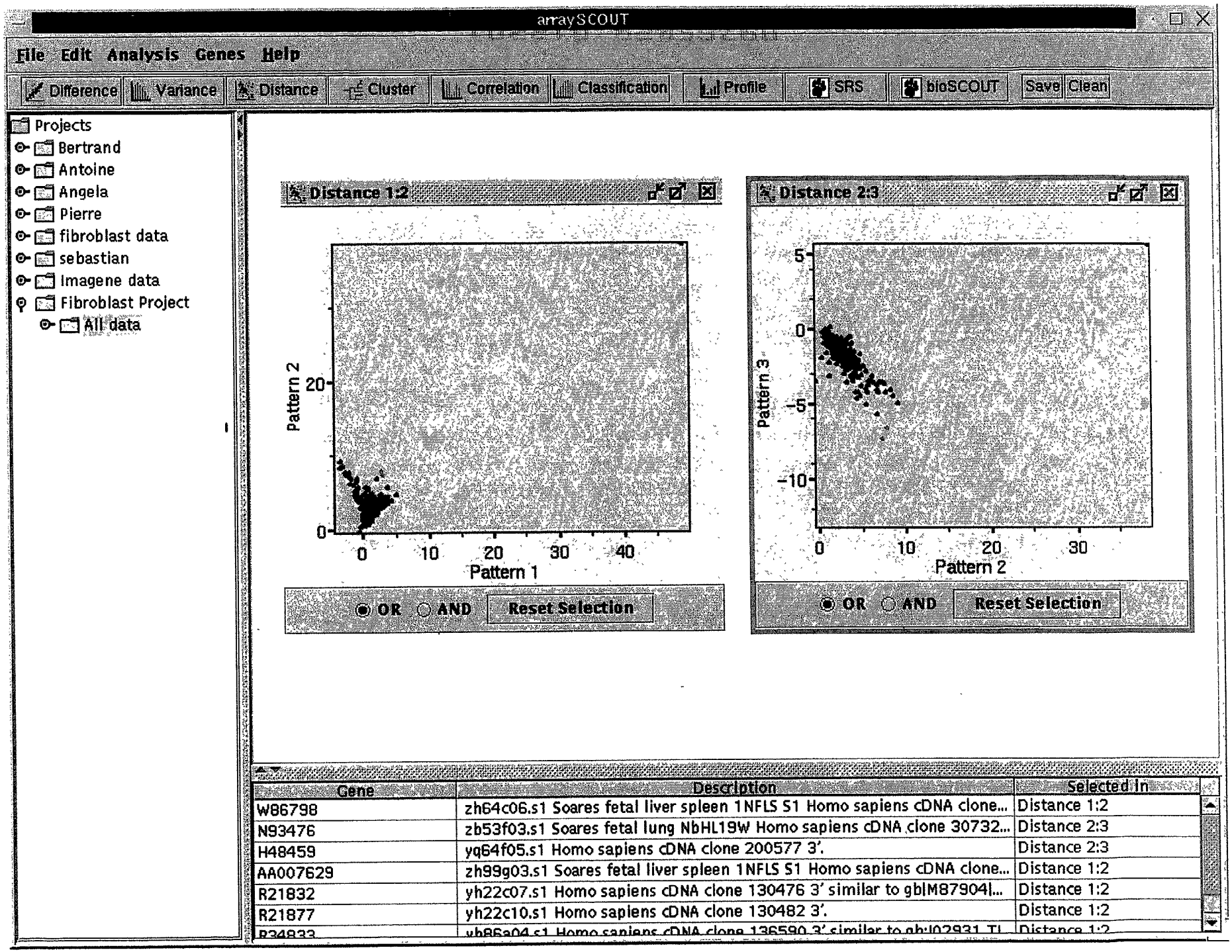

arraySCOUT
File Edit Analysis Genes Help
Difference
Variance
Distance
Cluster
Correlation
Classification
Profile
SRS
bioSCOUT
Save
Clean
Projects
Bertrand
Antoine
Angela
Pierre
fibroblast data
sebastian
Imagene data
Fibroblast Project
All data
Distance 1:2
Pattern 2
Pattern 1
OR
AND
Reset Selection
Distance 2:3
Pattern 3
Pattern 2
OR
AND
Reset Selection
Gene
Description
Selected In
W86798
zh64c06.s1 Soares fetal liver spleen 1NFLS S1 Homo sapiens cDNA clone...
Distance 1:2
N93476
zb53f03.s1 Soares fetal lung NbHL19W Homo sapiens cDNA clone 30732...
Distance 2:3
H48459
yq64f05.s1 Homo sapiens cDNA clone 200577 3'.
Distance 2:3
AA007629
zh99g03.s1 Soares fetal liver spleen 1NFLS S1 Homo sapiens cDNA clone...
Distance 1:2
R21832
yh22c07.s1 Homo sapiens cDNA clone 130476 3' similar to gb|M87904|...
Distance 1:2
R21877
yh22c10.s1 Homo sapiens cDNA clone 130482 3'.
Distance 1:2

FIG. 72

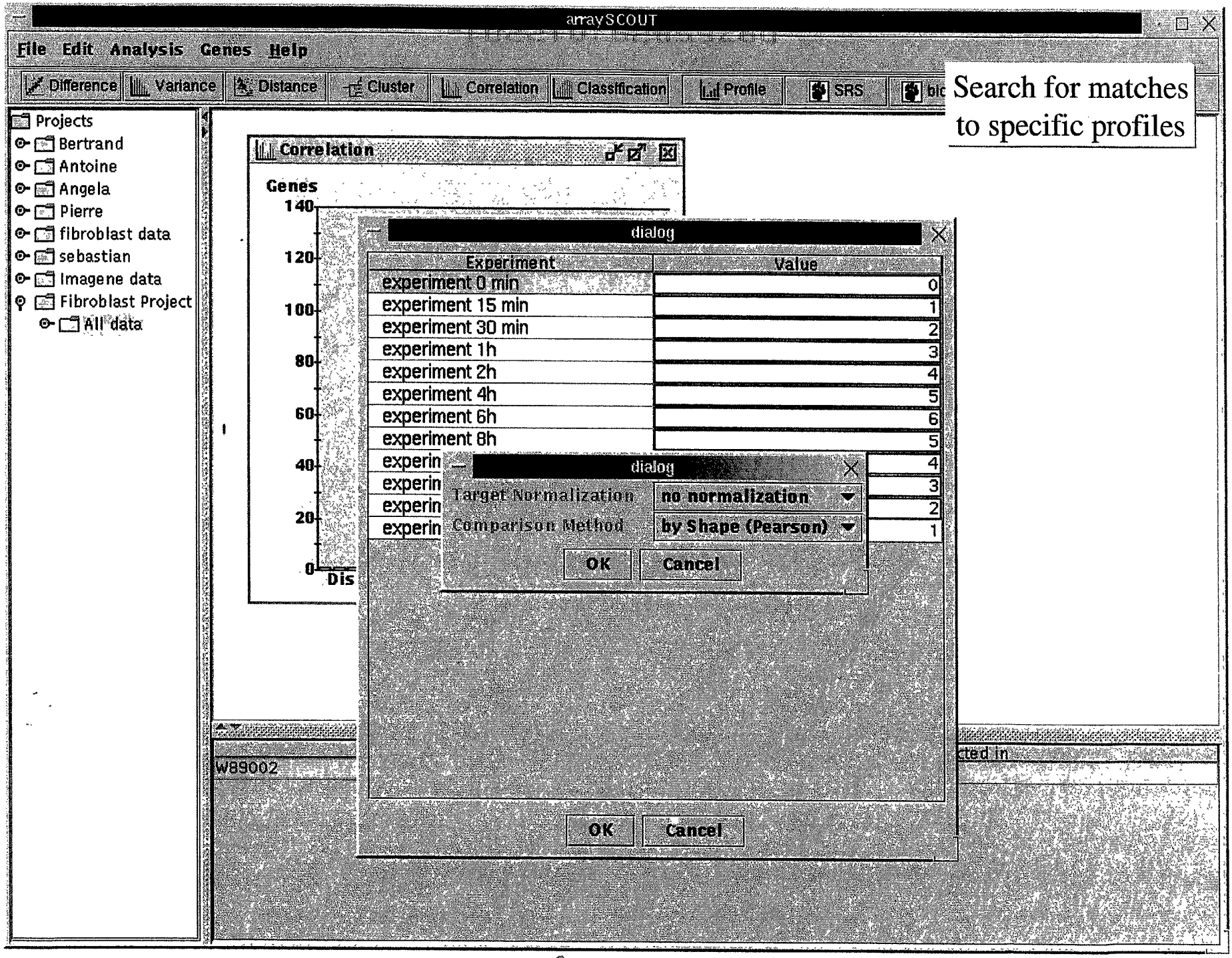

arraySCOUT
File Edit Analysis Genes Help
Difference
Variance
Distance
Cluster
Correlation
Classification
Profile
SRS
Search for matches to specific profiles
Projects
Bertrand
Antoine
Angela
Pierre
fibroblast data
sebastian
Imagene data
Fibroblast Project
All data
Correlation
Genes
140
120
100
80
60
40
20
0
dialog
Experiment
Value
experiment 0 min
experiment 15 min
experiment 30 min
experiment 1h
experiment 2h
experiment 4h
experiment 6h
experiment 8h
0
1
2
3
4
5
6
5
4
3
2
1
dialog
Target Normalization
no normalization
Comparison Method
by Shape (Pearson)
OK
Cancel
OK
Cancel
W89002

FIG. 73

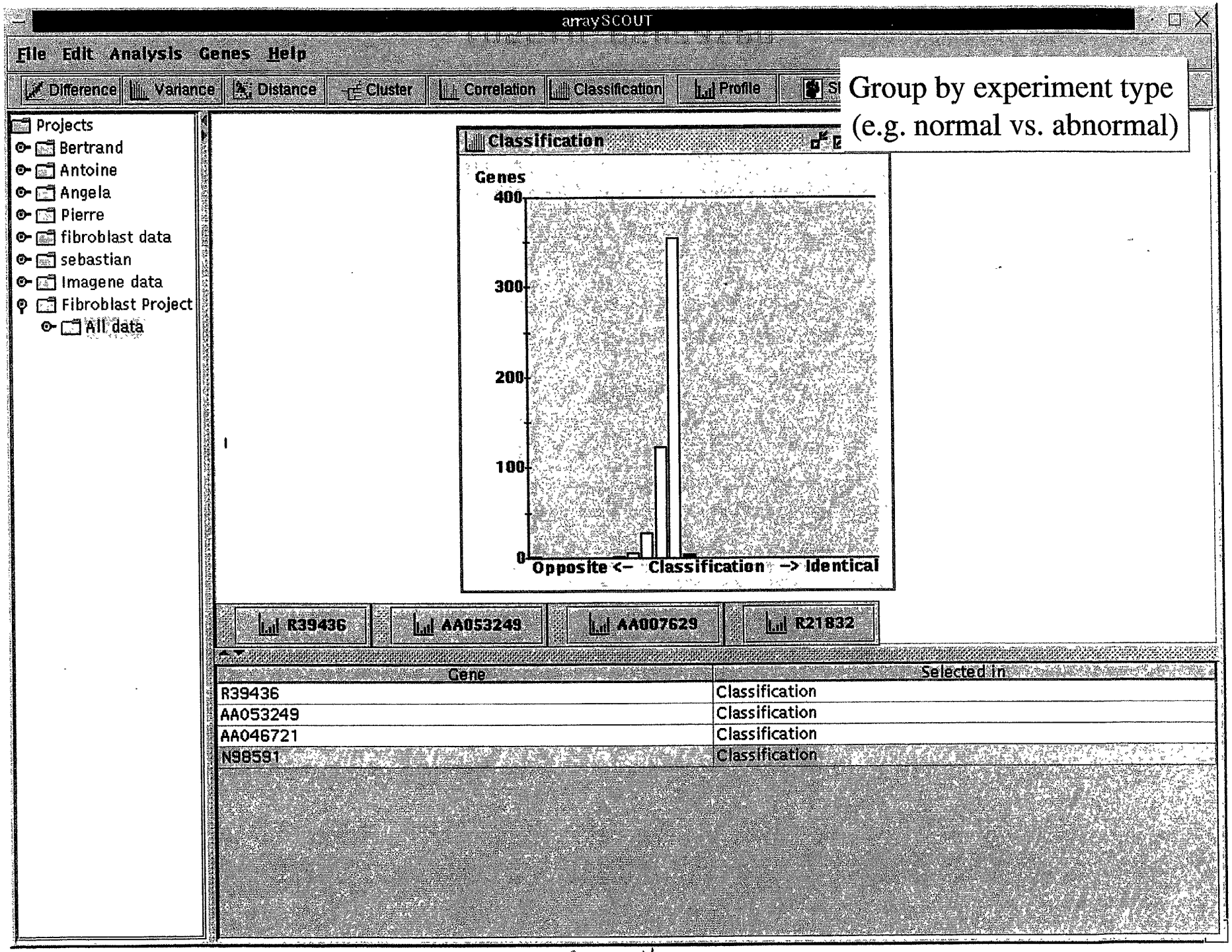

arraySCOUT
File Edit Analysis Genes Help
Difference
Variance
Distance
Cluster
Correlation
Classification
Profile
Projects
Bertrand
Antoine
Angela
Pierre
fibroblast data
sebastian
Imagene data
Fibroblast Project
All data
Group by experiment type
(e.g. normal vs. abnormal)
Classification
Genes
400
300
200
100
0
Opposite <- Classification -> Identical
R39436
AA053249
AA007629
R21832
Gene
Selected in
R39436
Classification
AA053249
Classification
AA046721
Classification
N98591
Classification

FIG. 7H

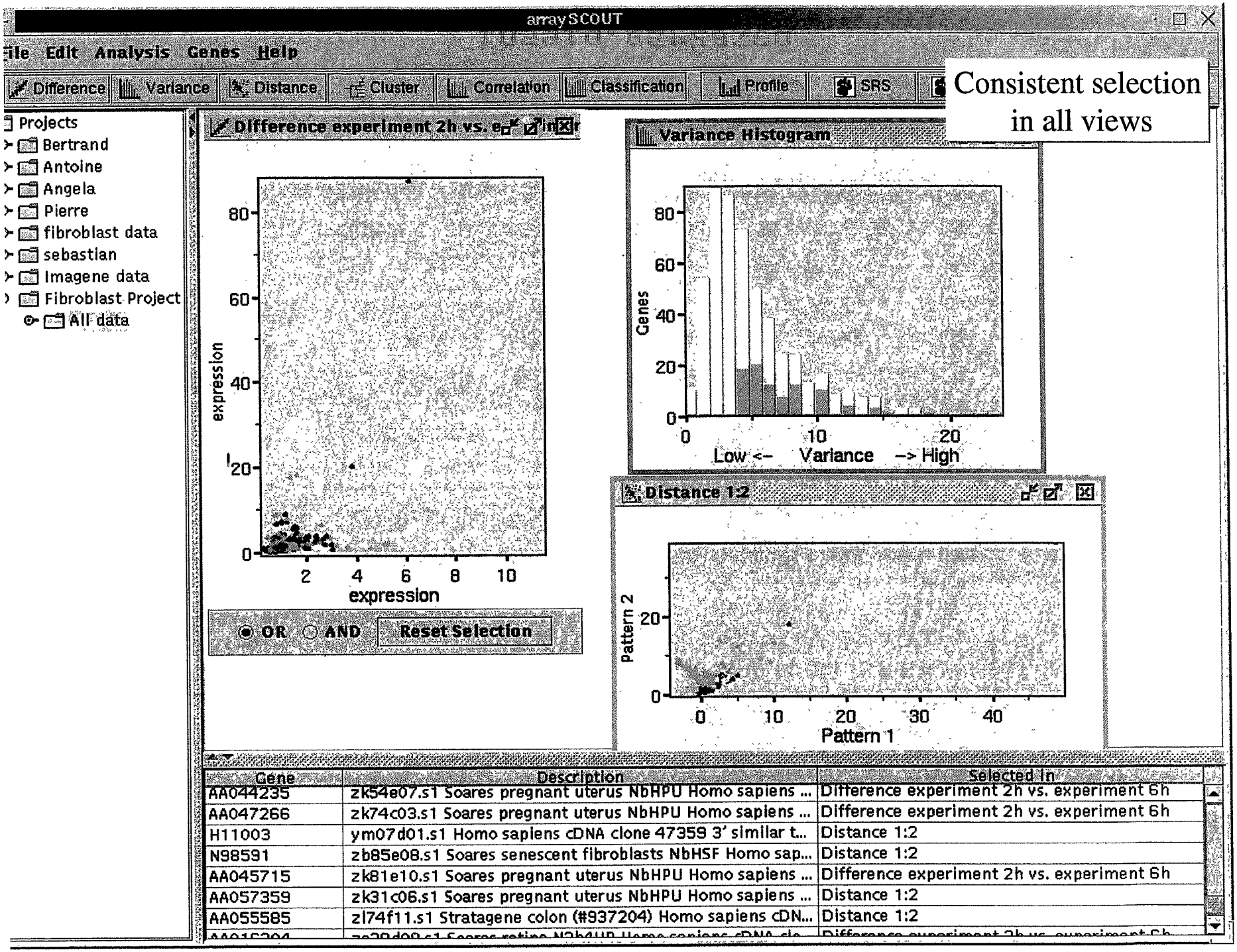

arraySCOUT
File Edit Analysis Genes Help
Difference
Variance
Distance
Cluster
Correlation
Classification
Profile
SRS
Consistent selection in all views
Projects
Bertrand
Antoine
Angela
Pierre
fibroblast data
sebastian
Imagene data
Fibroblast Project
All data
Difference experiment 2h vs. e
expression
expression
OR
AND
Reset Selection
Variance Histogram
Genes
Low <-- Variance --> High
Distance 1:2
Pattern 2
Pattern 1
Gene
Description
Selected in
AA044235
zk54e07.s1 Soares pregnant uterus NbHPU Homo sapiens ...
Difference experiment 2h vs. experiment 6h
AA047266
zk74c03.s1 Soares pregnant uterus NbHPU Homo sapiens ...
Difference experiment 2h vs. experiment 6h
H11003
ym07d01.s1 Homo sapiens cDNA clone 47359 3' similar t...
Distance 1:2
N98591
zb85e08.s1 Soares senescent fibroblasts NbHSF Homo sap...
Distance 1:2
AA045715
zk81e10.s1 Soares pregnant uterus NbHPU Homo sapiens ...
Difference experiment 2h vs. experiment 6h
AA057359
zk31c06.s1 Soares pregnant uterus NbHPU Homo sapiens ...
Distance 1:2
AA055585
zl74f11.s1 Stratagene colon (#937204) Homo sapiens cDN...
Distance 1:2

Fig. 75

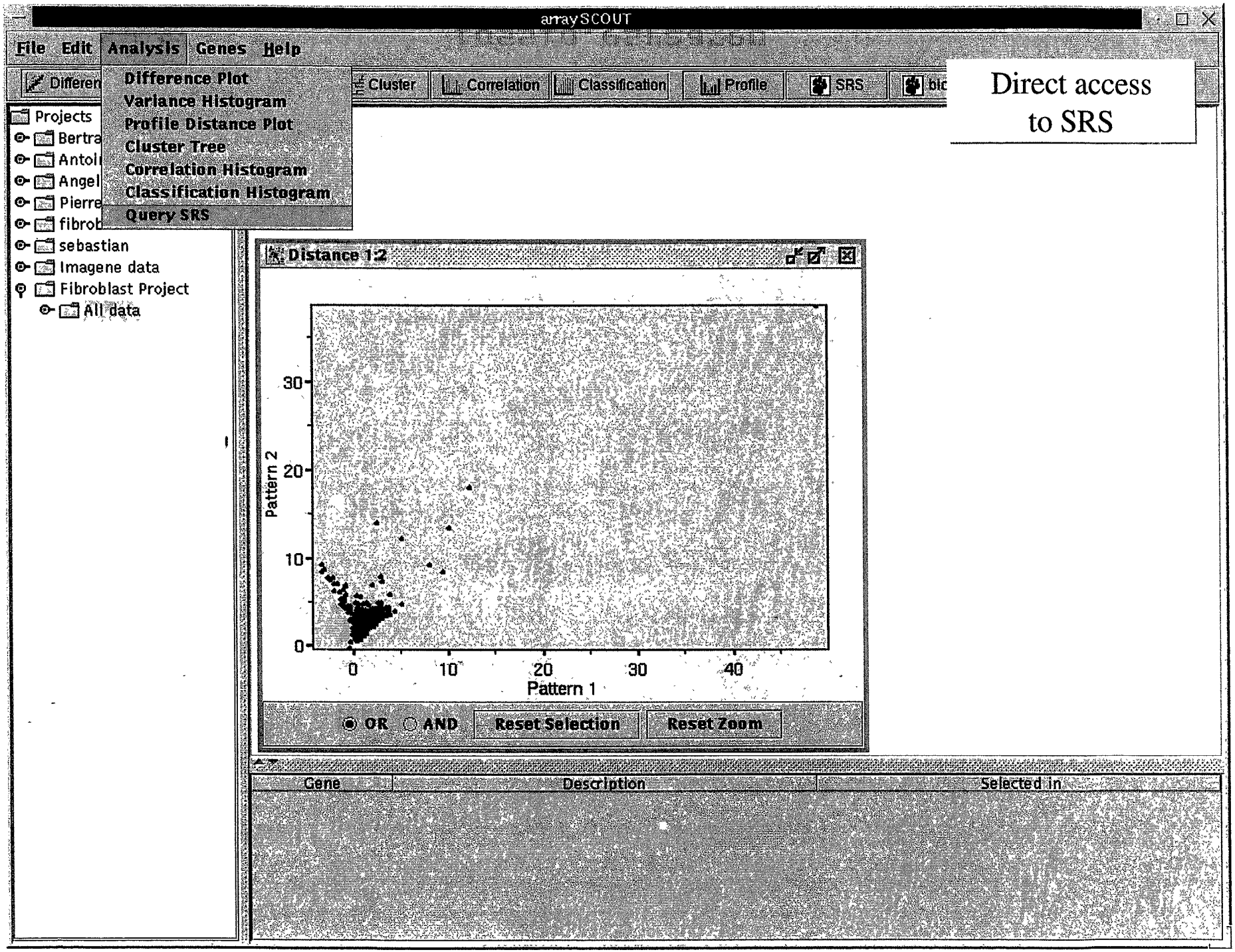

arraySCOUT
File
Edit
Analysis
Genes
Help
Difference Plot
Variance Histogram
Profile Distance Plot
Cluster Tree
Correlation Histogram
Classification Histogram
Query SRS
Cluster
Correlation
Classification
Profile
SRS
Direct access to SRS
Projects
Bertra
Antoli
Angel
Pierre
fibrob
sebastian
Imagene data
Fibroblast Project
All data
Distance 1:2
Pattern 2
Pattern 1
0
10
20
30
40
OR
AND
Reset Selection
Reset Zoom
Gene
Description
Selected in

FIG. 76

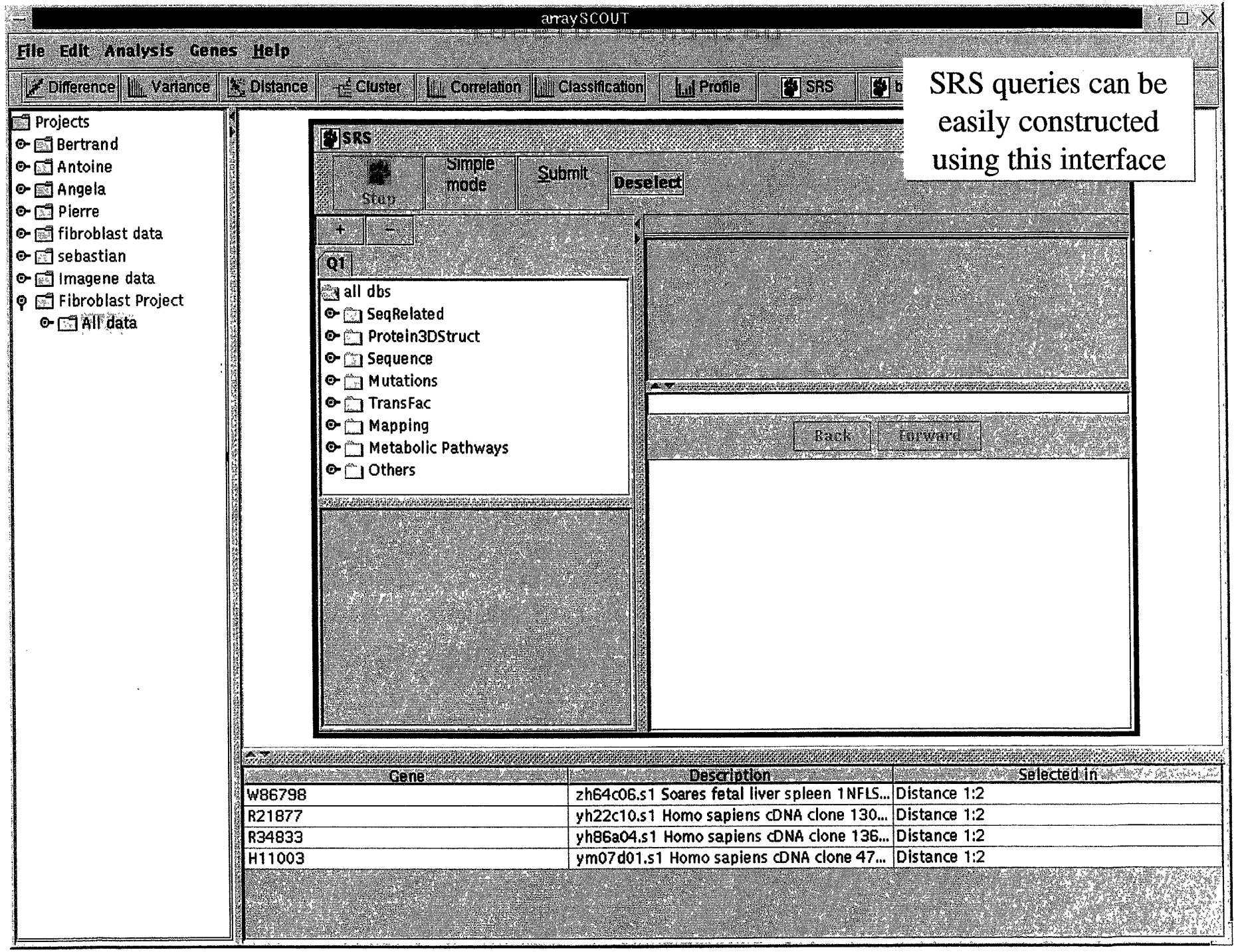

arraySCOUT
File Edit Analysis Genes Help
Difference
Variance
Distance
Cluster
Correlation
Classification
Profile
SRS
Projects
Bertrand
Antoine
Angela
Pierre
fibroblast data
sebastian
Imagene data
Fibroblast Project
All data
SRS queries can be easily constructed using this interface
SRS
Stop
Simple mode
Submit
Deselect
Q1
all dbs
SeqRelated
Protein3DStruct
Sequence
Mutations
TransFac
Mapping
Metabolic Pathways
Others
Back
Forward
Gene
Description
Selected in
W86798
zh64c06.s1 Soares fetal liver spleen 1NFLS...
Distance 1:2
R21877
yh22c10.s1 Homo sapiens cDNA clone 130...
Distance 1:2
R34833
yh86a04.s1 Homo sapiens cDNA clone 136...
Distance 1:2
H11003
ym07d01.s1 Homo sapiens cDNA clone 47...
Distance 1:2

FIG. 77

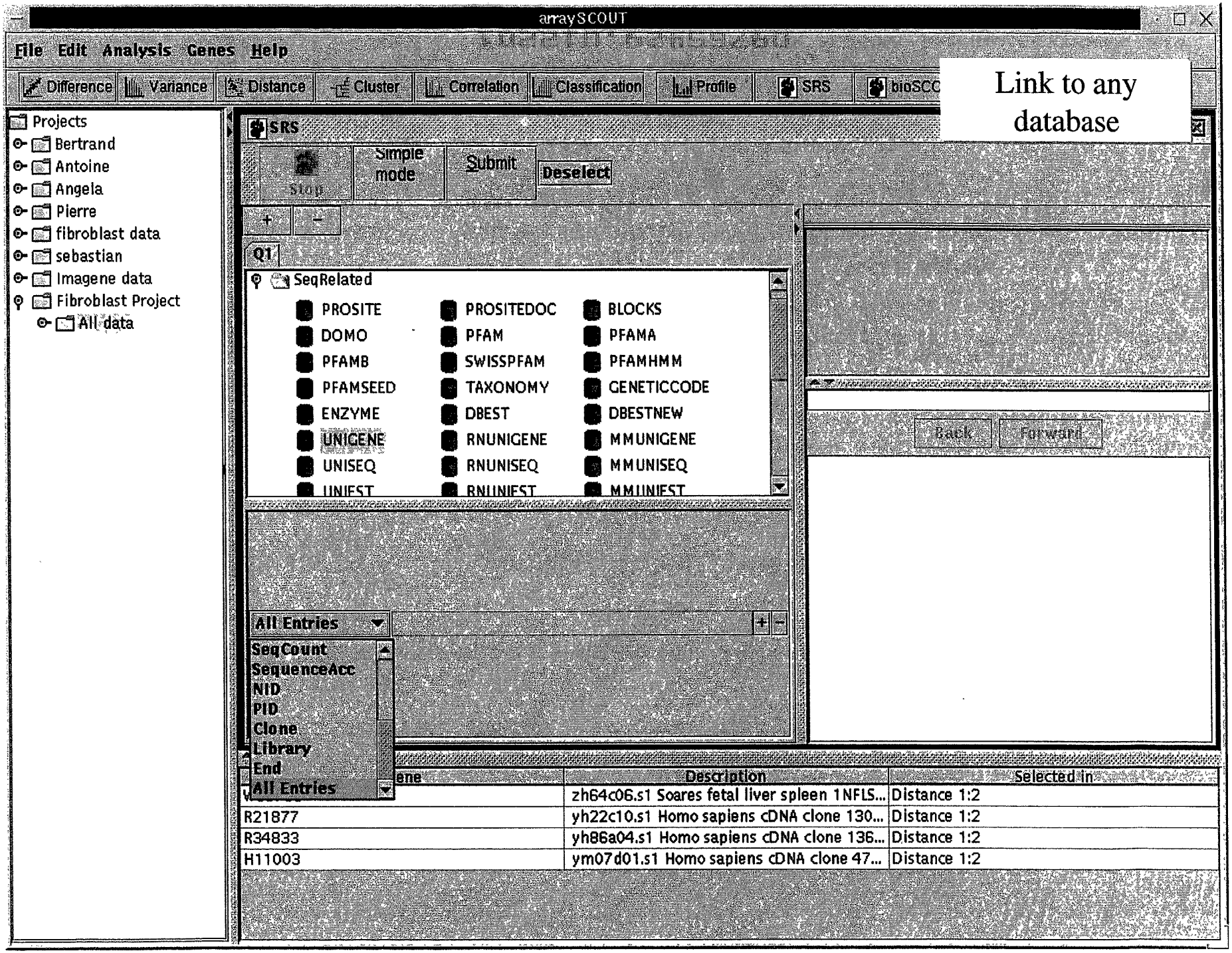

arraySCOUT
File Edit Analysis Genes Help
Difference
Variance
Distance
Cluster
Correlation
Classification
Profile
SRS
bioSCC
Link to any database
Projects
Bertrand
Antoine
Angela
Pierre
fibroblast data
sebastian
Imagene data
Fibroblast Project
All data
SRS
Stop
Simple mode
Submit
Deselect
Q1
SeqRelated
PROSITE
PROSITEDOC
BLOCKS
DOMO
PFAM
PFAMA
PFAMB
SWISSPFAM
PFAMHMM
PFAMSEED
TAXONOMY
GENETICCODE
ENZYME
DBEST
DBESTNEW
UNIGENE
RNUNIGENE
MMUNIGENE
UNISEQ
RNUNISEQ
MMUNISEQ
Back
Forward
All Entries
SeqCount
SequenceAcc
NID
PID
Clone
Library
End
All Entries
Description
Selected in
zh64c06.s1 Soares fetal liver spleen 1NFLS...
Distance 1:2
R21877
yh22c10.s1 Homo sapiens cDNA clone 130...
Distance 1:2
R34833
yh86a04.s1 Homo sapiens cDNA clone 136...
Distance 1:2
H11003
ym07d01.s1 Homo sapiens cDNA clone 47...
Distance 1:2

Fig. 18

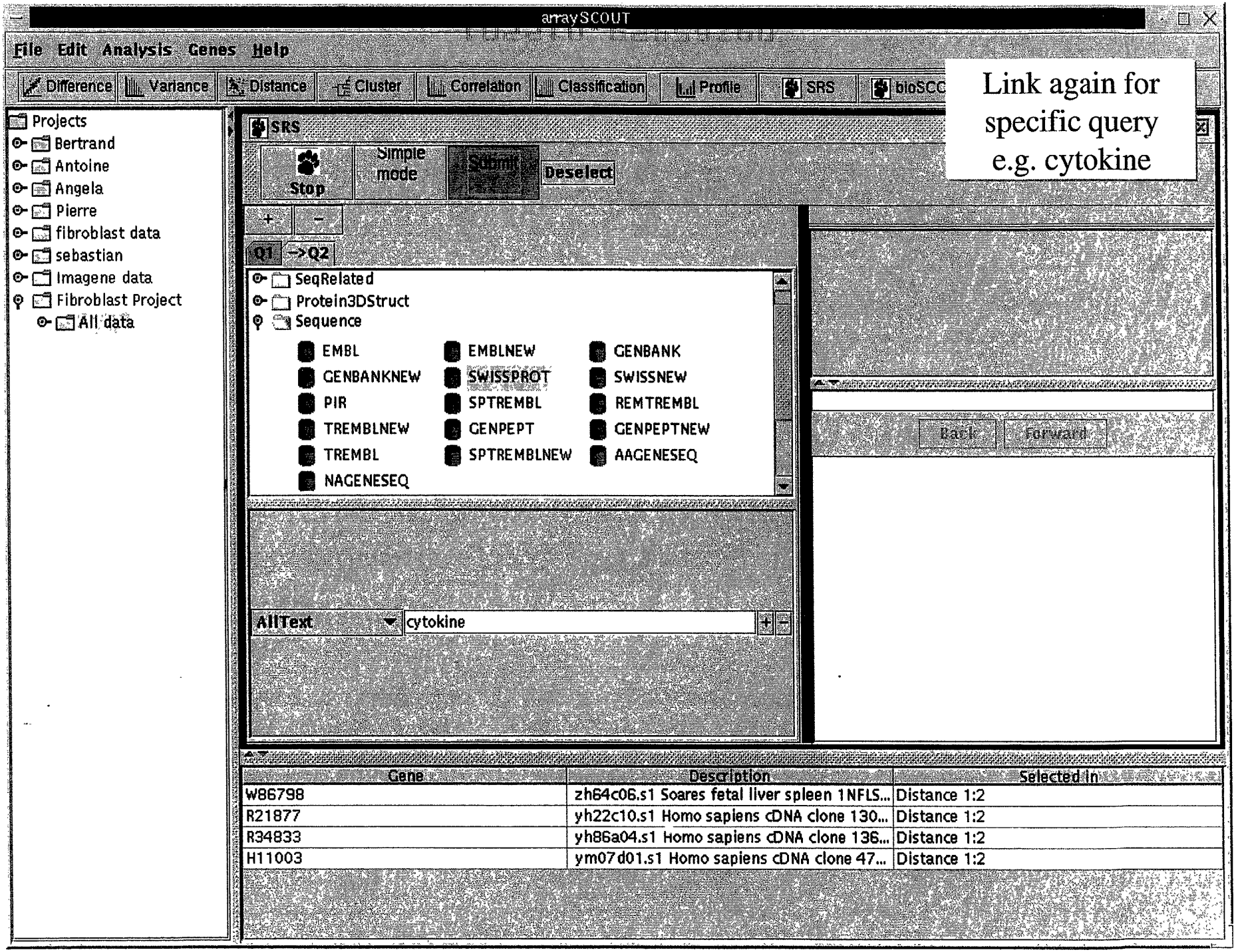

arraySCOUT
File Edit Analysis Genes Help
Difference
Variance
Distance
Cluster
Correlation
Classification
Profile
SRS
bioSCC
Link again for specific query e.g. cytokine
Projects
Bertrand
Antoine
Angela
Pierre
fibroblast data
sebastian
Imagene data
Fibroblast Project
All data
SRS
Stop
Simple mode
Submit
Deselect
Q1
->Q2
SeqRelated
Protein3DStruct
Sequence
EMBL
EMBLNEW
GENBANK
GENBANKNEW
SWISSPROT
SWISSNEW
PIR
SPTREMBL
REMTREMBL
TREMBLNEW
GENPEPT
GENPEPTNEW
TREMBL
SPTREMBLNEW
AAGENESEQ
NAGENESEQ
Back
Forward
AllText
cytokine
Gene
Description
Selected in
W86798
zh64c06.s1 Soares fetal liver spleen 1NFLS...
Distance 1:2
R21877
yh22c10.s1 Homo sapiens cDNA clone 130...
Distance 1:2
R34833
yh86a04.s1 Homo sapiens cDNA clone 136...
Distance 1:2
H11003
ym07d01.s1 Homo sapiens cDNA clone 47...
Distance 1:2

FIG. 79

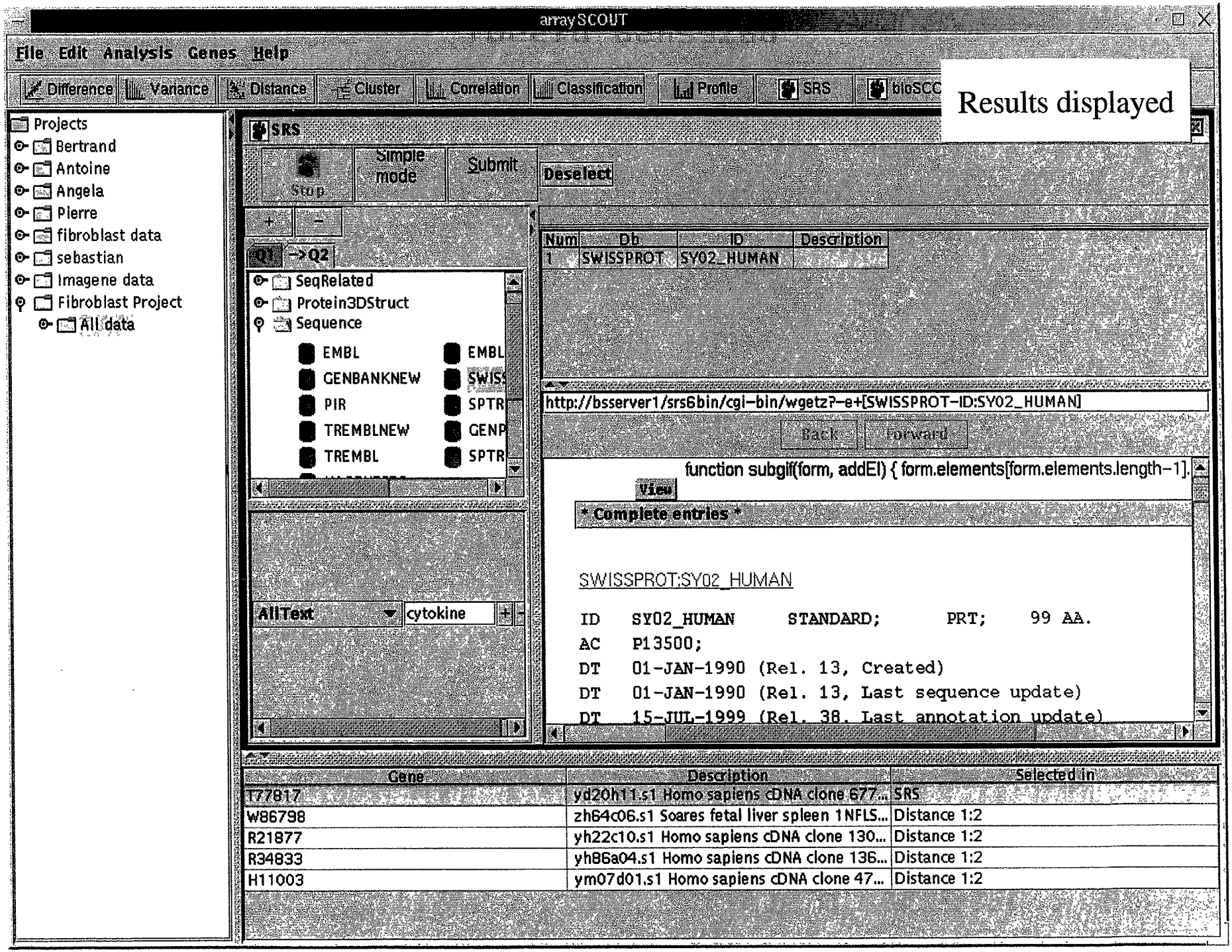

arraySCOUT
File Edit Analysis Genes Help
Difference
Variance
Distance
Cluster
Correlation
Classification
Profile
SRS
Results displayed
Projects
Bertrand
Antoine
Angela
Pierre
fibroblast data
sebastian
Imagene data
Fibroblast Project
All data
SRS
Stop
Simple mode
Submit
Deselect
Q1
->Q2
SeqRelated
Protein3DStruct
Sequence
EMBL
GENBANKNEW
PIR
TREMBLNEW
TREMBL
AllText
cytokine
Num
Db
ID
Description
1
SWISSPROT
SY02_HUMAN
http://bsserver1/srs6bin/cgi-bin/wgetz?-e+[SWISSPROT-ID:SY02_HUMAN]
Back
Forward
function subgif(form, addEl) { form.elements[form.elements.length-1].
View
* Complete entries *
SWISSPROT:SY02_HUMAN
ID SY02_HUMAN STANDARD; PRT; 99 AA.
AC P13500;
DT 01-JAN-1990 (Rel. 13, Created)
DT 01-JAN-1990 (Rel. 13, Last sequence update)
DT 15-JUL-1999 (Rel. 38, Last annotation update)
Gene
Description
Selected in
T77817
yd20h11.s1 Homo sapiens cDNA clone 677...
SRS
W86798
zh64c06.s1 Soares fetal liver spleen 1NFLS...
Distance 1:2
R21877
yh22c10.s1 Homo sapiens cDNA clone 130...
Distance 1:2
R34833
yh86a04.s1 Homo sapiens cDNA clone 136...
Distance 1:2
H11003
ym07d01.s1 Homo sapiens cDNA clone 47...
Distance 1:2

FIG. 8C

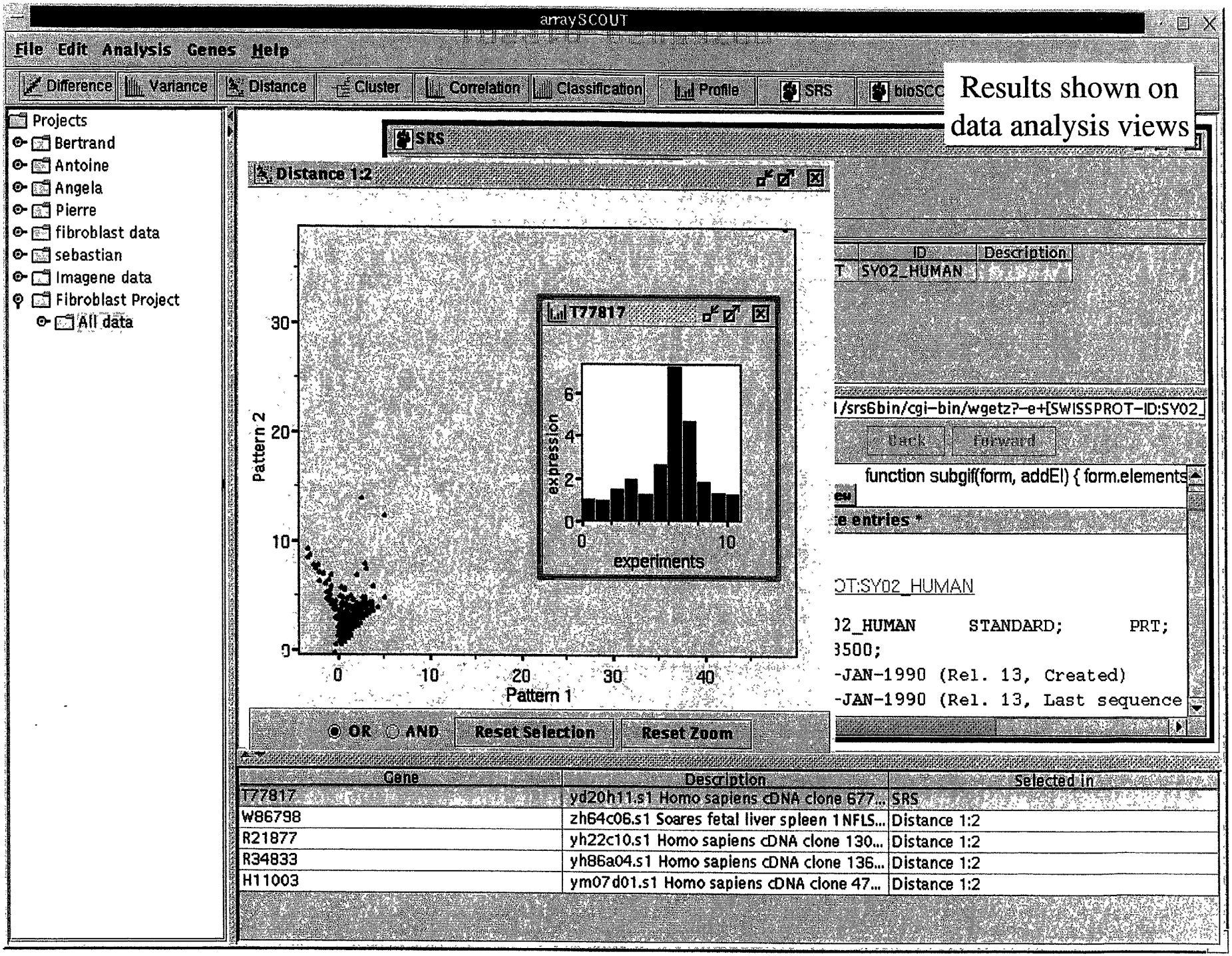

arraySCOUT
File Edit Analysis Genes Help
Difference
Variance
Distance
Cluster
Correlation
Classification
Profile
SRS
bioSCC
Results shown on data analysis views
Projects
Bertrand
Antoine
Angela
Pierre
fibroblast data
sebastian
Imagene data
Fibroblast Project
All data
SRS
Distance 1:2
T77817
expression
experiments
Pattern 2
Pattern 1
ID
Description
SY02_HUMAN
/srs6bin/cgi-bin/wgetz?-e+[SWISSPROT-ID:SY02_
Back
Forward
function subgif(form, addEl) { form.elements
e entries *
OT:SY02_HUMAN
02_HUMAN STANDARD; PRT;
3500;
-JAN-1990 (Rel. 13, Created)
-JAN-1990 (Rel. 13, Last sequence
OR
AND
Reset Selection
Reset Zoom
Gene
Description
Selected in
T77817
yd20h11.s1 Homo sapiens cDNA clone 677...
SRS
W86798
zh64c06.s1 Soares fetal liver spleen 1NFLS...
Distance 1:2
R21877
yh22c10.s1 Homo sapiens cDNA clone 130...
Distance 1:2
R34833
yh86a04.s1 Homo sapiens cDNA clone 136...
Distance 1:2
H11003
ym07d01.s1 Homo sapiens cDNA clone 47...
Distance 1:2

Fig. 81

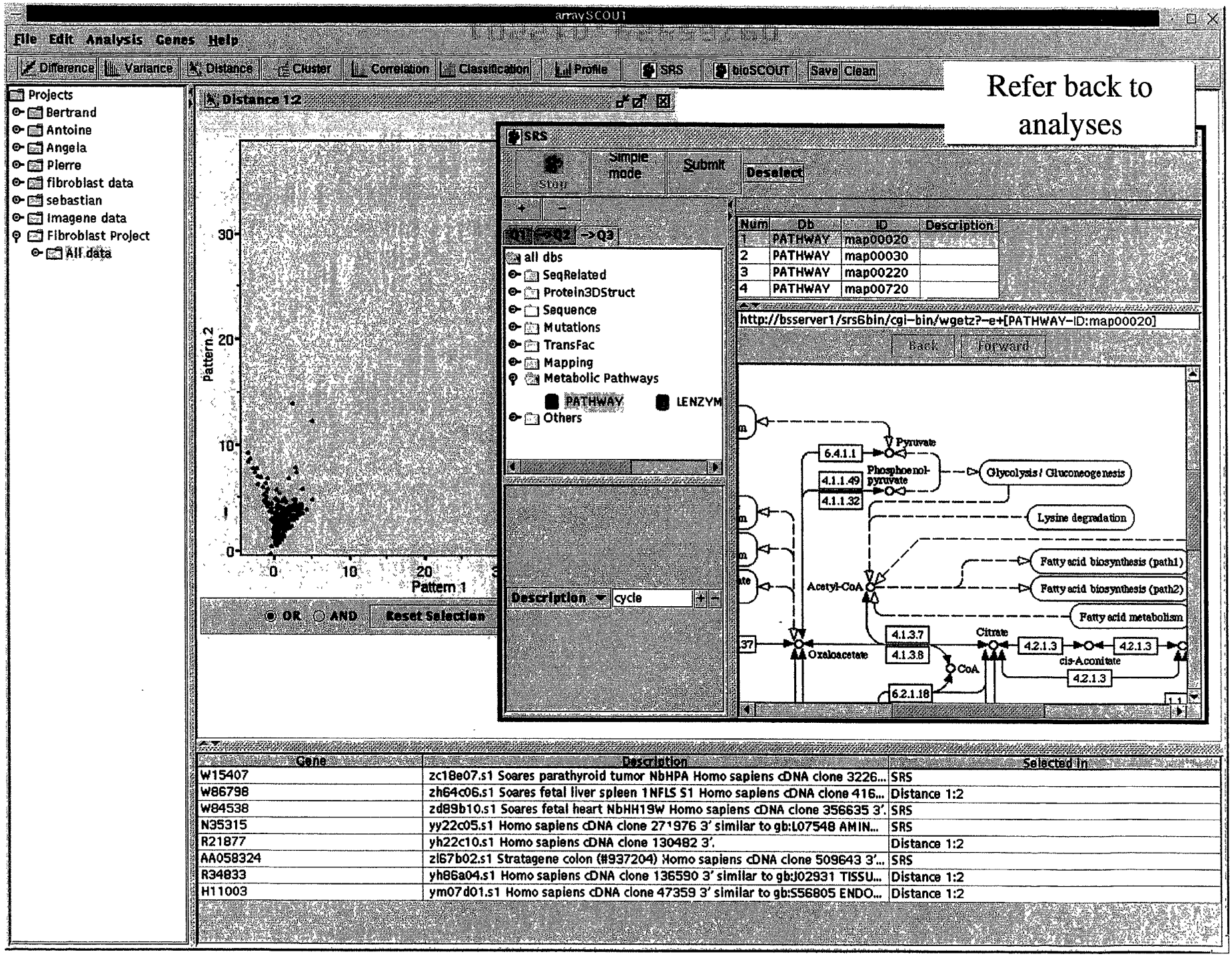

arraySCOUT
File Edit Analysis Genes Help
Difference Variance Distance Cluster Correlation Classification Profile SRS bioSCOUT Save Clean
Refer back to analyses
Projects
Bertrand
Antoine
Angela
Pierre
fibroblast data
sebastian
Imagene data
Fibroblast Project
All data
Distance 1:2
Pattern 2
Pattern 1
OR AND Reset Selection
SRS
Stop
Simple mode
Submit
Deselect
all dbs
SeqRelated
Protein3DStruct
Sequence
Mutations
TransFac
Mapping
Metabolic Pathways
PATHWAY LENZYM
Others
Description cycle
Num Db ID Description
1 PATHWAY map00020
2 PATHWAY map00030
3 PATHWAY map00220
4 PATHWAY map00720
http://bsserver1/srs6bin/cgi-bin/wgetz?-e+[PATHWAY-ID:map00020]
Back Forward
Pyruvate
Phosphoenol-pyruvate
Glycolysis / Gluconeogenesis
Lysine degradation
Fatty acid biosynthesis (path1)
Fatty acid biosynthesis (path2)
Fatty acid metabolism
Acetyl-CoA
Oxaloacetate
Citrate
cis-Aconitate
CoA
Gene Description Selected In
W15407 zc18e07.s1 Soares parathyroid tumor NbHPA Homo sapiens cDNA clone 3226... SRS
W86798 zh64c06.s1 Soares fetal liver spleen 1NFLS S1 Homo sapiens cDNA clone 416... Distance 1:2
W84538 zd89b10.s1 Soares fetal heart NbHH19W Homo sapiens cDNA clone 356635 3'. SRS
N35315 yy22c05.s1 Homo sapiens cDNA clone 271976 3' similar to gb:L07548 AMIN... SRS
R21877 yh22c10.s1 Homo sapiens cDNA clone 130482 3'. Distance 1:2
AA058324 zi67b02.s1 Stratagene colon (#937204) Homo sapiens cDNA clone 509643 3'... SRS
R34833 yh86a04.s1 Homo sapiens cDNA clone 136590 3' similar to gb:J02931 TISSU... Distance 1:2
H11003 ym07d01.s1 Homo sapiens cDNA clone 47359 3' similar to gb:S56805 ENDO... Distance 1:2

FIG. 82

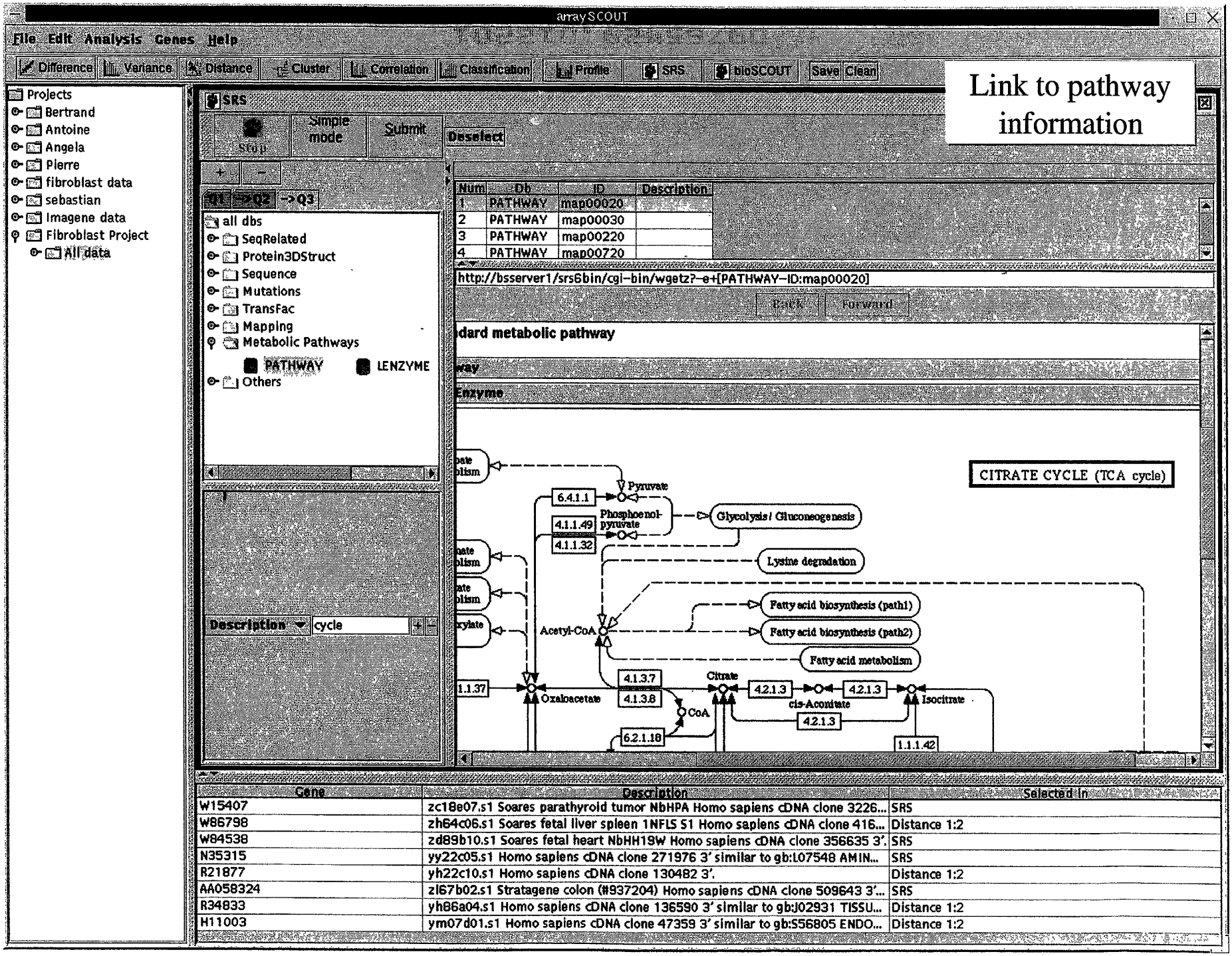

arraySCOUT
File Edit Analysis Genes Help
Difference
Variance
Distance
Cluster
Correlation
Classification
Profile
SRS
bioSCOUT
Save
Clean
Link to pathway information
Projects
Bertrand
Antoine
Angela
Pierre
fibroblast data
sebastian
Imagene data
Fibroblast Project
All data
SRS
Stop
Simple mode
Submit
Deselect
Num
Db
ID
Description
1 PATHWAY map00020
2 PATHWAY map00030
3 PATHWAY map00220
4 PATHWAY map00720
http://bsserver1/srs6bin/cgi-bin/wgetz?-e+[PATHWAY-ID:map00020]
Back
Forward
dard metabolic pathway
Enzyme
CITRATE CYCLE (TCA cycle)
Pyruvate
6.4.1.1
Phosphoenol-pyruvate
4.1.1.49
4.1.1.32
Glycolysis / Gluconeogenesis
Lysine degradation
Fatty acid biosynthesis (path1)
Fatty acid biosynthesis (path2)
Fatty acid metabolism
Acetyl-CoA
Oxaloacetate
4.1.3.7
4.1.3.8
Citrate
4.2.1.3
cis-Aconitate
Isocitrate
CoA
6.2.1.18
1.1.1.42
all dbs
SeqRelated
Protein3DStruct
Sequence
Mutations
TransFac
Mapping
Metabolic Pathways
PATHWAY
LENZYME
Others
Description
cycle
Gene
Description
Selected in
W15407 zc18e07.s1 Soares parathyroid tumor NbHPA Homo sapiens cDNA clone 3226... SRS
W86798 zh64c06.s1 Soares fetal liver spleen 1NFLS S1 Homo sapiens cDNA clone 416... Distance 1:2
W84538 zd89b10.s1 Soares fetal heart NbHH19W Homo sapiens cDNA clone 356635 3'. SRS
N35315 yy22c05.s1 Homo sapiens cDNA clone 271976 3' similar to gb:L07548 AMIN... SRS
R21877 yh22c10.s1 Homo sapiens cDNA clone 130482 3'. Distance 1:2
AA058324 zl67b02.s1 Stratagene colon (#937204) Homo sapiens cDNA clone 509643 3'... SRS
R34833 yh86a04.s1 Homo sapiens cDNA clone 136590 3' similar to gb:J02931 TISSU... Distance 1:2
H11003 ym07d01.s1 Homo sapiens cDNA clone 47359 3' similar to gb:S56805 ENDO... Distance 1:2

Fig. 83